JVC

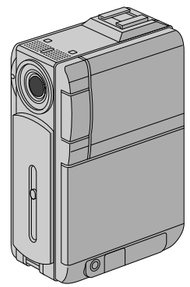
GR-DVP3U

# JVC

# SERVICE MANUAL

DIGITAL VIDEO CAMERA

# GR-DVP3U



Mini DV NTSC

DSC DIGITAL STILL CAMERA

## SPECIFICATIONS

### Camcorder

#### For General

| | |
|---|---|
| **Power supply** | : DC 6.3 V ⎓ (Using AC Power Adapter/Charger)<br>DC 7.2 V ⎓ (Using battery pack) |
| **Power consumption** | |
| **LCD monitor off, viewfinder on** | : Approx. 4.1 W |
| **LCD monitor on, viewfinder off** | : Approx. 5.0 W |
| **Dimensions (W x H x D)** | : 43 mm x 115 mm x 80 mm (1-3/4" x 4-9/16" x 3-3/16")<br>(with the LCD monitor closed and the viewfinder pushed back in) |
| **Weight** | : Approx. 340 g (0.75 lbs)<br>(without grip belt, battery and cassette)<br>Approx. 410 g (0.91 lbs)<br>(incl. grip belt, battery and cassette) |
| **Operating temperature** | : 0°C to 40°C (32°F to 104°F) |
| **Operating humidity** | : 35% to 80% |
| **Storage temperature** | : –20°C to 50°C (–4°F to 122°F) |
| **Pickup** | : 1/4" CCD |
| **Lens** | : F 1.8, f = 3.7 mm to 37 mm, 10:1 power zoom lens<br>(It is not possible to attach any lens filter or conversion lens.) |
| **LCD monitor** | : 2" diagonally measured, LCD panel/TFT active matrix system |
| **Viewfinder** | : Electronic viewfinder with 0.44" color LCD |
| **Speaker** | : Monaural |

#### For Digital Video Camera

| | |
|---|---|
| **Format** | : DV format (SD mode) |
| **Signal format** | : NTSC standard |
| **Recording/Playback format** | : Video: Digital component recording<br>: Audio: PCM digital recording, 32 kHz 4-channel (12-bit),<br>48 kHz 2-channel (16-bit) |
| **Cassette** | : Mini DV cassette |
| **Tape speed** | : SP: 18.8 mm/s<br>LP: 12.5 mm/s |
| **Maximum recording time (using 80 min. cassette)** | : SP: 80 min.<br>LP: 120 min. |

#### For Digital Still Camera

| | |
|---|---|
| **Storage media** | : SD Memroy Card/MultiMediaCard |
| **Compression system** | : Still image : JPEG (compatible)<br>Moving image : MPEG4 (compatible) |
| **File size** | : 2 modes (XGA: 1024 x 768 pixels/VGA: 640 x 480 pixels) |
| **Picture quality** | : 2 modes (FINE/STANDARD) |
| **Approximate number of storable images (with the provided memory card [8 MB], with Sound Effects pre-stored)** | |
| **FINE** | : 37 (VGA), 16 (XGA) |
| **STANDARD** | : 105 (VGA), 51 (XGA) |

*For other memory cards, see pg. 17.*

#### For Connectors

| | |
|---|---|
| **AV** | |
| **Video output** | : 1 V (p-p), 75 Ω, analog |
| **Audio output** | : 300 mV (rms), 1 kΩ, analog, stereo |
| **DV** | |
| **Input/output** | : 4-pin, IEEE 1394 compliant |

### AC power adapter/charger AA-V100U

| | |
|---|---|
| **Power requirement** | |
| **U.S.A. and Canada** | : AC 120 V ∿, 60 Hz |
| **Other countries** | : AC 110 V to 240 V ∿, 50 Hz/60 Hz |
| **Power consumption** | : 23 W |
| **Output** | |
| **Charge** | : DC 7.2 V ⎓, 1.2 A |
| **VTR** | : DC 6.3 V ⎓, 1.8 A |
| **Dimensions (W x H x D)** | : 68 mm x 44 mm x 110 mm (2-11/16" x 1-3/4" x 4-3/8") |
| **Weight** | : Approx. 255 g (0.57 lbs) |

### Docking Station CU-V507U

#### For General

| | |
|---|---|
| **Dimensions (W x H x D)** | : 48.4 mm x 36 mm x 79 mm (1-15/16" x 1-7/16" x 3-1/8") |
| **Weight** | : Approx. 53 g (0.12 lbs) |

#### For Connectors

| | |
|---|---|
| **PHONE** | |
| **Headphone output** | : ø3.5 mm, stereo |
| **USB** | : TYPE B |
| **S-VIDEO OUT** | : Y: 1 V (p-p), 75 W, analog output<br>C: 0.29 V (p-p), 75 W, analog output |
| **EDIT** | : ø3.5 mm, 2-pole |

***Specifications shown are for SP mode unless otherwise indicated. E & O.E. Design and specifications subject to change without notice.***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# Important Safety Precautions

Prior to shipment from the factory, JVC products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

## ● Precautions during Servicing

1. Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product. When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.

2. Parts identified by the ⚠ symbol and shaded ( ) parts are critical for safety.
   Replace only with specified part numbers.
   **Note: Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.**

3. Fuse replacement caution notice.
   Caution for continued protection against fire hazard.
   Replace only with same type and rated fuse(s) as specified.

4. Use specified internal wiring. Note especially:
   1) Wires covered with PVC tubing
   2) Double insulated wires
   3) High voltage leads

5. Use specified insulating materials for hazardous live parts. Note especially:
   1) Insulation Tape 3) Spacers 5) Barrier
   2) PVC tubing 4) Insulation sheets for transistors

6. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.) wrap ends of wires securely about the terminals before soldering.

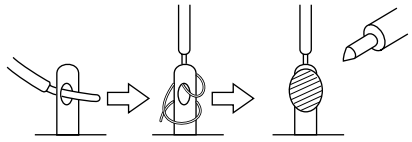


**Fig.1**

7. Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.)

8. Check that replaced wires do not contact sharp edged or pointed parts.

9. When a power cord has been replaced, check that 10-15 kg of force in any direction will not loosen it.

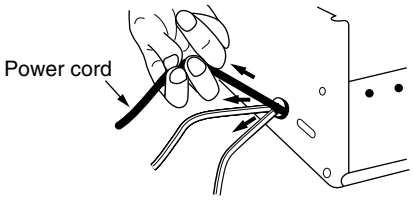



**Fig.2**

10. Also check areas surrounding repaired locations.

11. Products using cathode ray tubes (CRTs)
    In regard to such products, the cathode ray tubes themselves, the high voltage circuits, and related circuits are specified for compliance with recognized codes pertaining to X-ray emission.
    Consequently, when servicing these products, replace the cathode ray tubes and other parts with only the specified parts. Under no circumstances attempt to modify these circuits.
    Unauthorized modification can increase the high voltage value and cause X-ray emission from the cathode ray tube.

12. Crimp type wire connector
    In such cases as when replacing the power transformer in sets where the connections between the power cord and power transformer primary lead wires are performed using crimp type connectors, if replacing the connectors is unavoidable, in order to prevent safety hazards, perform carefully and precisely according to the following steps.

    **1) Connector part number :** E03830-001
    **2) Required tool :** Connector crimping tool of the proper type which will not damage insulated parts.
    **3) Replacement procedure**
    (1) Remove the old connector by cutting the wires at a point close to the connector.
    Important : Do not reuse a connector (discard it).

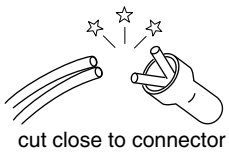



**Fig.3**

(2) Strip about 15 mm of the insulation from the ends of the wires. If the wires are stranded, twist the strands to avoid frayed conductors.

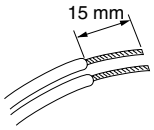



**Fig.4**

(3) Align the lengths of the wires to be connected. Insert the wires fully into the connector.

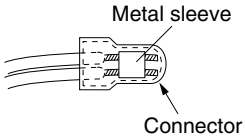



**Fig.5**

(4) As shown in Fig.6, use the crimping tool to crimp the metal sleeve at the center position. Be sure to crimp fully to the complete closure of the tool.

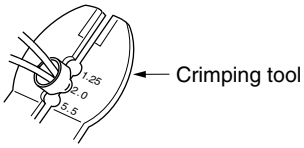



**Fig.6**

(5) Check the four points noted in Fig.7.

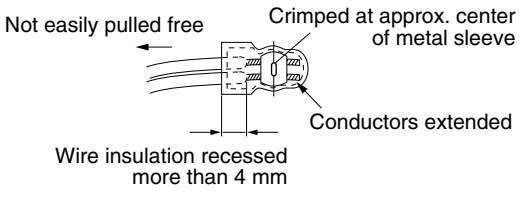

Not easily pulled free
Crimped at approx. center of metal sleeve
Conductors extended
Wire insulation recessed more than 4 mm

**Fig.7**

# ● Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions, Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

**1. Insulation resistance test**

Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

**2. Dielectric strength test**

Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

**3. Clearance distance**

When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See table 1 below.

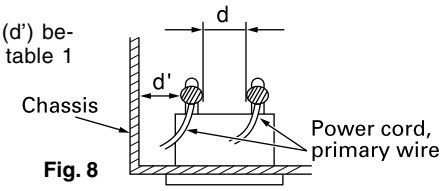



**Fig. 8**

**4. Leakage current test**

Confirm specified or lower leakage current between earth ground/power cord plug prongs and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).

**Measuring Method :** (Power ON)

Insert load Z between earth ground/power cord plug prongs and externally exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See figure 9 and following table 2.

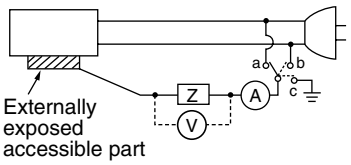



**Fig. 9**

**5. Grounding (Class 1 model only)**

Confirm specified or lower grounding impedance between earth pin in AC inlet and externally exposed accessible parts (Video in, Video out, Audio in, Audio out or Fixing screw etc.).

**Measuring Method:**

Connect milli ohm meter between earth pin in AC inlet and exposed accessible parts. See figure 10 and grounding specifications.

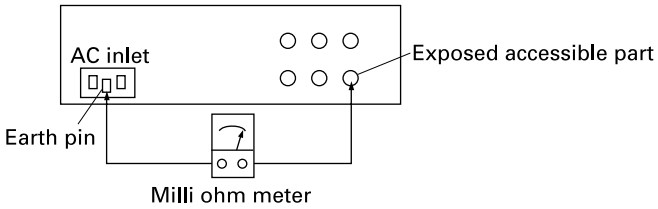



**Fig. 10**

**Grounding Specifications**

| Region | Grounding Impedance (Z) |
|---|---|
| USA & Canada | Z ≦ 0.1 ohm |
| Europe & Australia | Z ≦ 0.5 ohm |

| AC Line Voltage | Region | Insulation Resistance (R) | Dielectric Strength | Clearance Distance (d), (d') |
|---|---|---|---|---|
| 100 V | Japan | R ≧ 1 MΩ/500 V DC | AC 1 kV 1 minute | d, d' ≧ 3 mm |
| 100 to 240 V | | | AC 1.5 kV 1 miute | d, d' ≧ 4 mm |
| 110 to 130 V | USA & Canada | 1 MΩ ≦ R ≦ 12 MΩ/500 V DC | AC 1 kV 1 minute | d, d' ≧ 3.2 mm |
| 110 to 130 V<br>200 to 240 V | Europe & Australia | R ≧ 10 MΩ/500 V DC | AC 3 kV 1 minute (Class Ⅱ)<br>AC 1.5 kV 1 minute (Class Ⅰ) | d ≧ 4 mm<br>d' ≧ 8 mm (Power cord)<br>d' ≧ 6 mm (Primary wire) |

**Table 1** Specifications for each region

| AC Line Voltage | Region | Load Z | Leakage Current (i) | a, b, c |
|---|---|---|---|---|
| 100 V | Japan | 1 kΩ | i ≦ 1 mA rms | Exposed accessible parts |
| 110 to 130 V | USA & Canada | 0.15 μF, 1.5 kΩ | i ≦ 0.5 mA rms | Exposed accessible parts |
| 110 to 130 V<br>220 to 240 V | Europe & Australia | 2 kΩ | i ≦ 0.7 mA peak<br>i ≦ 2 mA dc | Antenna earth terminals |
| | | 50 kΩ | i ≦ 0.7 mA peak<br>i ≦ 2 mA dc | Other terminals |

**Table 2** Leakage current specifications for each region

**Note:** These tables are unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

# SECTION 1
# DISASSEMBLY

## 1.1 BEFORE ASSEMBLY AND DISASSEMBLY

### 1.1.1 Precautions

1. Be sure to remove the power supply unit prior to mounting and soldering of parts.
2. When removing a component part that needs to disconnect the connector and to remove the screw for removing itself, first disconnect the connecting wire from the connector and then remove the screw beforehand.
3. When connecting and disconnecting the connectors, be careful not to damage the wire.
4. Carefully remove and handle the part to which some spacer or shield is attached for reinforcement or insulation.
5. When replacing chip parts (especially IC parts), desolder completely first (to prevent peeling of the pattern).
6. Tighten screws properly during the procedures.
   Unless specified otherwise, tighten screws at a torque of 0.078N•m(0.8kgf•cm).

### 1.1.2 Assembly and disassembly

| STEP No. | PART | Fig.No. | POINT | NOTE |
|---|---|---|---|---|
| ① | COVER(UNDER) | Fig.1-3-1 | (S①) | — |
| ② | COVER(SHOE) | Fig.1-3-2 | 2(S②),(L②a),(L②b) | — |
| ③ | MIC COVER ASSY | | (S③a),2(S③b) | — |
| | (1) | (2) | (3) | (4) (5) |

(1) Indicate the disassembly steps. When assembling, perform in the reverse order of these steps. This number corresponds to the number in the disassembly diagram.
(2) Indicates the name of disassembly/assembly parts.
(3) Indicates the number in the disassembly diagram.
(4) Indicates parts and points such as screws, washers, springs which must be removed during disassembly/assembly.

| Symbol | Name, Point |
|---|---|
| S | Screw |
| L | Lock, Pawl, Hook |
| SD | Soldering |
| CN | Connector |

(Example)
- 2 (S①) : Remove the two screws (S①) for removing the part ①.
- CN ①a: Disconnect the connector ①a.
- SD1 : Unsolder at the point SD1.

(5) Precautions on disassembly/assembly.

### 1.1.3 Destination of connectors

Note: *Three kinds of double-arrows in connection tables respectively show kinds of connector/wires.*
↔ : Wire
⇔ : Flat wire (FPC, FFC)
⬌ : Board to Board connector

[Example]
NOTE: *Remove the parts marked in* .

| CONN. No. | CONNECTOR | | | | | Pin No. |
|---|---|---|---|---|---|---|
| ④a | MAIN | CN111 | ⬌ | BOTTOM | CN301 | 50 |
| ④b | MAIN | CN112 | ⇔ | SUB OPE UNIT | CN112 | 7 |

### 1.1.4 Disconnection of Connectors (Wires)

Connector
Pull both ends of the connector in the arrow direction, remove the lock and disconnect the flat wire.

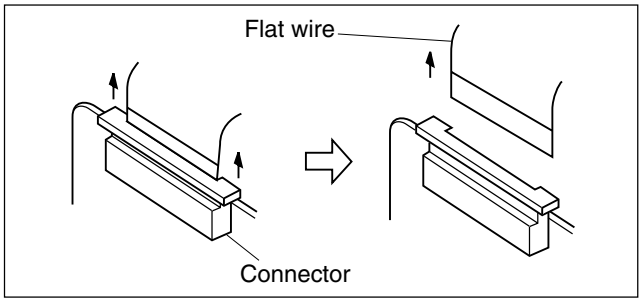



Fig. 1-1-1 Connector 1

Extend the locks in the direction of the arrow for unlocking and then pull out the wire. After removing the wire, immediately restore the locks to their original positions because the locks are apt to come off the connector.

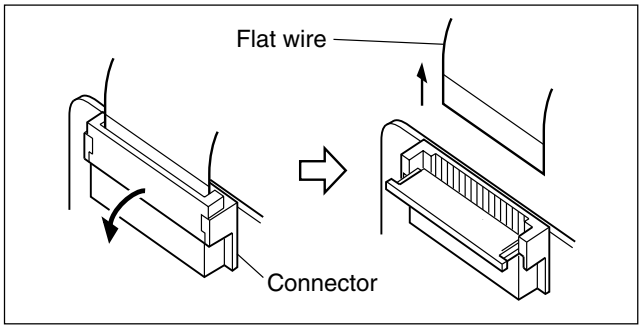



Fig. 1-1-2 Connector 2

B-B connector
Pull the board by both the sides in the direction of the arrow for disconnecting the B-B connector.

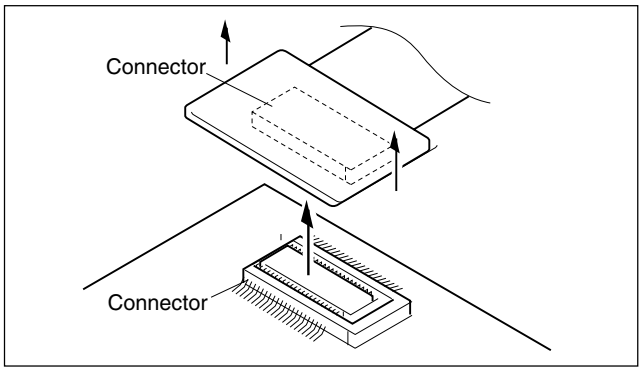



Fig. 1-1-3 Connector 3

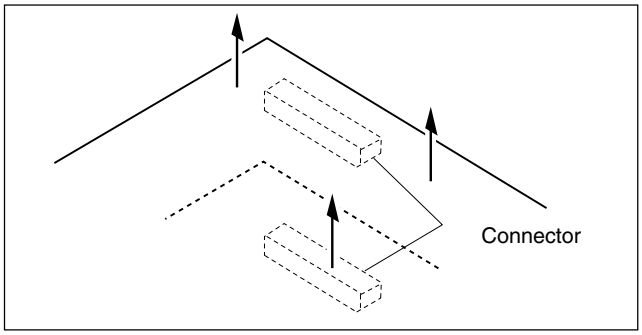



Fig. 1-1-4 Connector 4

## 1.2 JIGS AND TOOLS REQUIRED FOR DISASSEMBLY, ASSEMBLY AND ADJUSTMENT

### 1.2.1 Tools required for adjustments

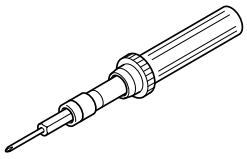
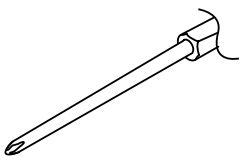
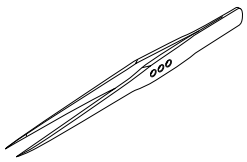
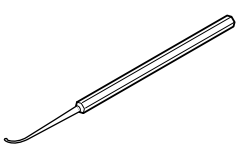
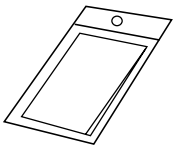
| | |
|---|---|
| 1 Torque Driver<br>YTU94088 | 2 Bit<br>YTU94088-003 |
|  |  |
| 3 Tweezers<br>P-895 | 4 Chip IC Replacement Jig<br>PTS40844-2 |
|  |  |
| 5 Cleaning Cloth<br>KSMM-01 | |
|  | |

Table 1-2-1

1. **Torque driver**
   Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.
2. **Bit**
   This bit is slightly longer than those set in conventional torque drivers.
3. **Tweezers**
   To be used for removing and installing parts and wires.
4. **Chip IC replacement jig**
   To be used for adjustment of the camera system.
5. **Cleaning cloth**
   Recommended cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.

## 1.3 DISASSEMBLY/ASSEMBLY OF CABINET PARTS AND BOARD ASSEMBLY

### 1.3.1 Disassembly flow chart

This flowchart indicates the disassembly step for the cabinet parts and board assembly in order to gain access to item(s) to be serviced. When reassembling, perform the step(s) in reverse order.

| | |
|---|---|
| ① | COVER (UNDER) |
| ② | COVER (SHOE) |
| ③ | MIC COVER ASSY |
| ④ | UPPER CASE ASSY<br>(Inc.MONITOR ASSY) |
| ⑤ | MONITOR ASSY |
| ⑥ | SHUTTER ASSY |
| ⑦ | LOWER CASE ASSY<br>(Inc.MICROPHONE<br>/E.VF UNIT<br>/AUDIO BOARD ASSY<br>/OP BLOCK ASSY) |
| ⑧ | MAIN BOARD ASSY |
| ⑨ | MECHANISM ASSY |
| ⑩ | MICROPHONE |
| ⑪ | E VF UNIT |
| ⑫ | AUDIO BOARD ASSY |
| ⑬ | OP BLOCK ASSY |
| ⑭ | SHOE ASSY |

Table 1-3-1

### 1.3.2 Disassembly method

| STEP No. | PART | Fig.No. | POINT | NOTE |
|---|---|---|---|---|
| ① | COVER (UNDER) | Fig.1-3-1 | (S①) | — |
| ② | COVER (SHOE) | Fig.1-3-2 | 2(S②), (L②a), (L②b) | — |
| ③ | MIC COVER ASSY | | (S③a), 2(S③b) | — |
| ④ | UPPER CASE ASSY | Fig.1-3-3a | (SD CARD)<br>(S④a), COVER (JIG)<br>CN ④a | NOTE④a<br>NOTE④b |
| | | Fig.1-3-3b | 2(S④b), (S④c), 2(S④b), (S④d)<br>2(S④b), (S④e)<br>CN ④b, CN④c | NOTE④c |
| ⑤ | MONITOR ASSY | Fig.1-3-4 | 2(S⑤a), GUIDE(MONI), 2(S⑤b) | NOTE⑤ |
| ⑥ | SHUTTER ASSY | Flig.1-3-5 | (S⑥) | NOTE⑥ |
| ⑦ | LOWER CASE ASSY<br>(Inc.MICROPHONE,<br>E VF UNIT,<br>AUDIO BOARD ASSY,<br>OP BLOCK ASSY) | Fig.1-3-6 | CN ⑦a,CN ⑦b,SHEET(SHUTTER)<br>CN ⑦c, CN⑦d, 4(S⑦) | NOTE⑦ |
| ⑧ | MAIN BOARD ASSY | Fig.1-3-7 | SHEET(SHUTTER), 2(S⑧)<br>(L⑧a), SHIELD ASSY, CN ⑧a,<br>CN ⑧b, CN ⑧c, CN ⑧d<br>2(L⑧b), (L⑧c)<br>CN ⑧e, CN ⑧f | — |
| ⑨ | MECHANISM ASSY | | 3(S⑨),BRACKET(MECHA) ASSY | |
| ⑩ | MICROPHONE | Fig.1-3-8a | HOOD, SPACER, (S⑬), (S⑫)<br>CN⑩a | NOTE⑩a<br>NOTE⑩b |
| ⑪ | E VF UNIT | | (S⑪), SPACER, CN⑪a | NOTE⑪a<br>NOTE⑪b |
| ⑫ | AUDIO BOARD ASSY | Fig.1-3-8b | 2(S⑫b), SPACER, 3(S⑭) | NOET⑫ |
| ⑬ | OP BLOCK ASSY | | CN ⑬a | NOTE⑬a<br>NOTE⑬b |
| ⑭ | SHOE ASSY | | CN ⑭a | NOTE⑭ |

Table 1-3-2

**Note:** *Remove the parts marked in* .

| CONN. No. | CONNECTOR | | | | | Pin No. |
|---|---|---|---|---|---|---|
| CN④a | MAIN | CN111 | ⬌ | BOTTOM | CN301 | 50 |
| CN④b | MAIN | CN112 | ⇔ | SUB OPE UNIT | - | 7 |
| CN④c | MAIN | CN113 | ⇔ | MONITOR | CN401 | 39 |
| CN⑦a | MAIN | CN110 | ⬌ | AUDIIO | CN201 | 120 |
| CN⑦b | MAIN | CN111 | ⇔ | CCD | - | 20 |
| CN⑦c | MAIN | CN107 | ⇔ | ZOOM OPE UNIT | - | 13 |
| CN⑦d | MAIN | CN108 | ↔ | EJECT SW | - | 2 |
| CN⑧a | MAIN | CN102 | ⇔ | LOADING MOTOR | - | 6 |
| CN⑧b | MAIN | CN103 | ⇔ | ROTARY ENCODER | - | 6 |
| CN⑧c | MAIN | CN101 | ⇔ | HEAD | - | 8 |
| CN⑧d | MAIN | CN106 | ⇔ | SENSOR | - | 16 |
| CN⑧e | MAIN | CN105 | ⇔ | CAPSTAN MOTOR | - | 18 |
| CN⑧f | MAIN | CN104 | ⇔ | DRUM MOTOR | - | 11 |
| CN⑩a | AUDIO | CN203 | ↔ | MICROPHONE | - | 4 |
| CN⑪a | AUDIO | CN204 | ⇔ | VF BL | CN7551 | 20 |
| CN⑬a | AUDIO | CN205 | ⇔ | OP BLOCK ASSY | - | 24 |
| CN⑭a | AUDIO | CN202 | ⇔ | SHOE ASSY | - | 16 |

Table 1-3-3

**NOTE ④a:** *If a card is installed, remove it in advance.*

**NOTE ④b:** *Be careful not to damage the battery removal switch. When disassembling, ensure that the lock lever is in the low position and set the battery removal switch only to the up position.*

**NOTE ④c:** *Take care of the removed screws.*

**NOTE ⑤:** *Refer to Fig. 1-4-1 for the disassembly method.*

**NOTE ⑥:** *Be careful not to damage or lose the parts.*

**NOTE ⑦:** *For the disassembly/assembly of the EVF unit, AUDIO board assembly, and OP block assembly, see section 1.8, "SERVICE KNOW-HOW".*

**NOTE ⑩a:** *Take care not to damage the switch.*

**NOTE ⑩b:** *Leave the OP block assembly connected to the audio board and locate it in a vacant space.*

**NOTE ⑪a:** *Be careful not to cut the FPC wire or damage any of the switches during work.*

**NOTE ⑪b:** *Refer to Fig. 1-5-1 for the disassembly method.*

**NOTE ⑫, ⑬a, ⑭ :**
*When assembling, attach the OP block assembly and the shoe assembly on the AUDIO board assembly and install them together in the lower case assembly.*

**NOTE ⑬b:** *Refer to Fig. 1-6-1 for the disassembly method.*

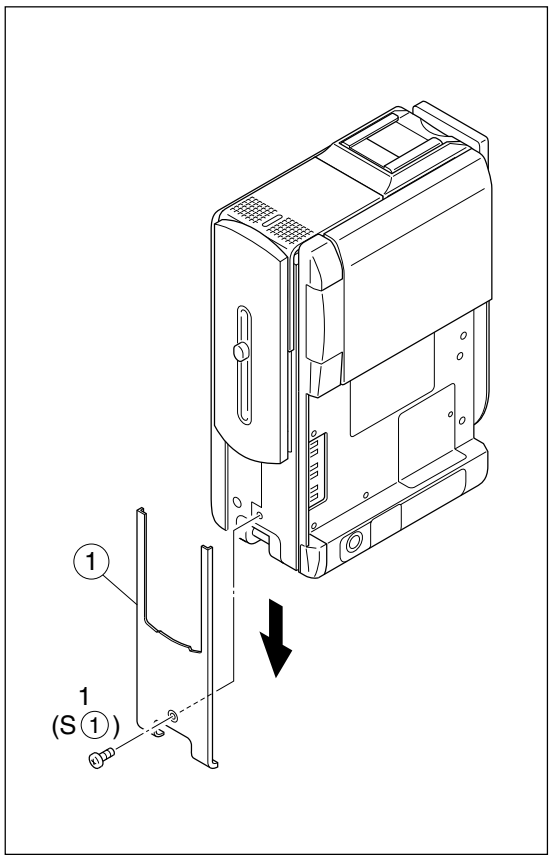



Fig. 1-3-1

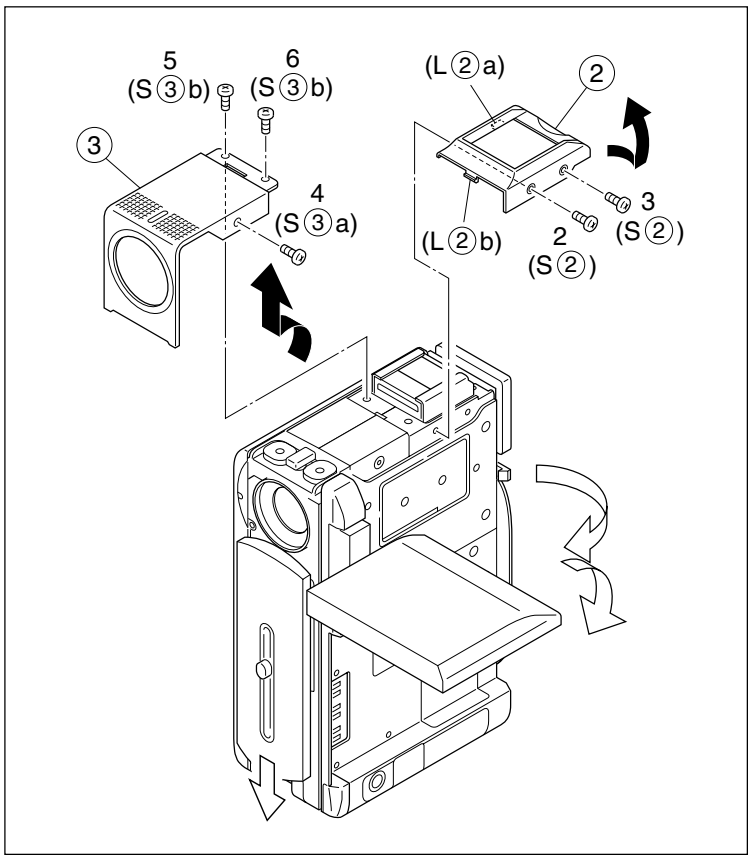



Fig. 1-3-2

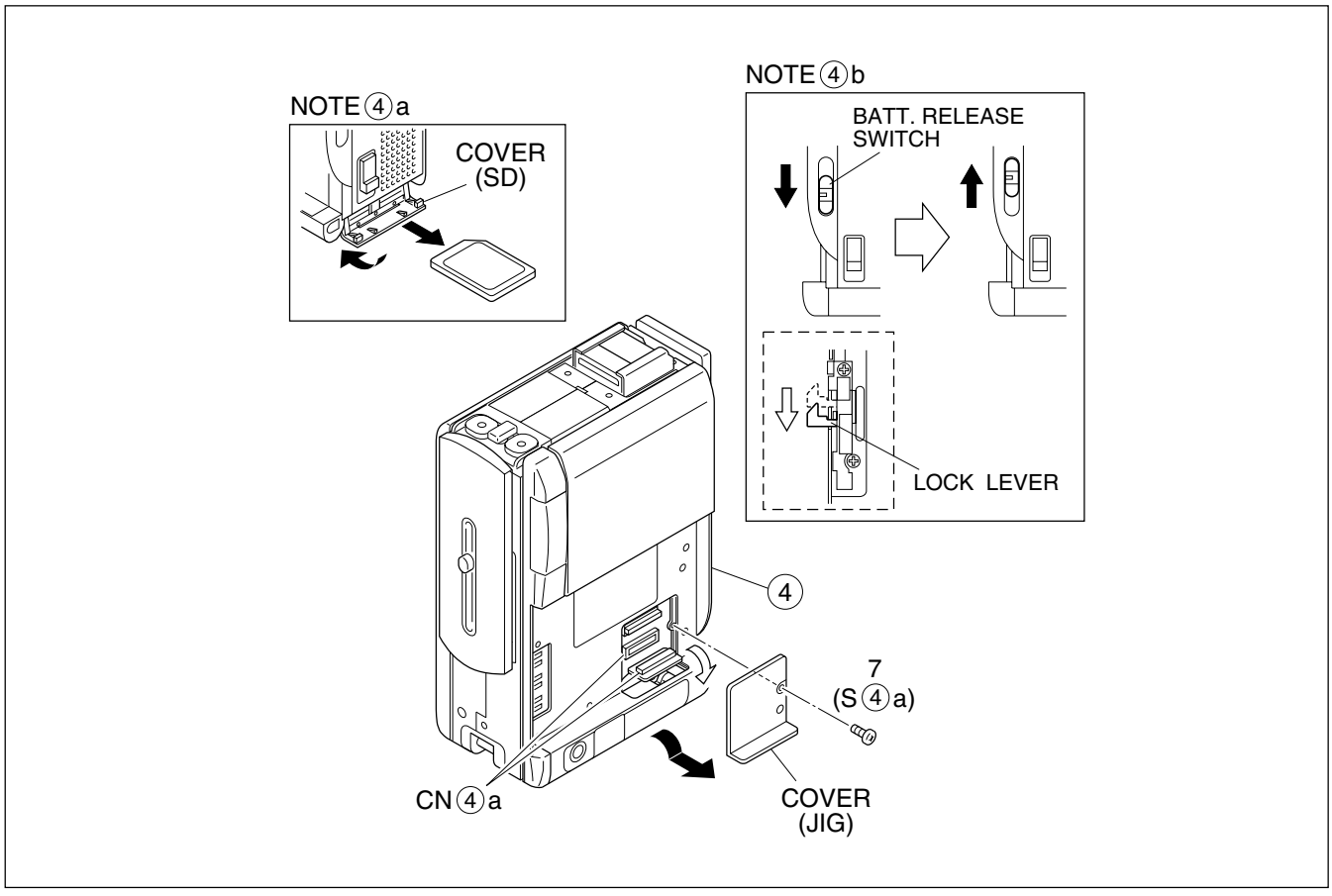



Fig. 1-3-3a

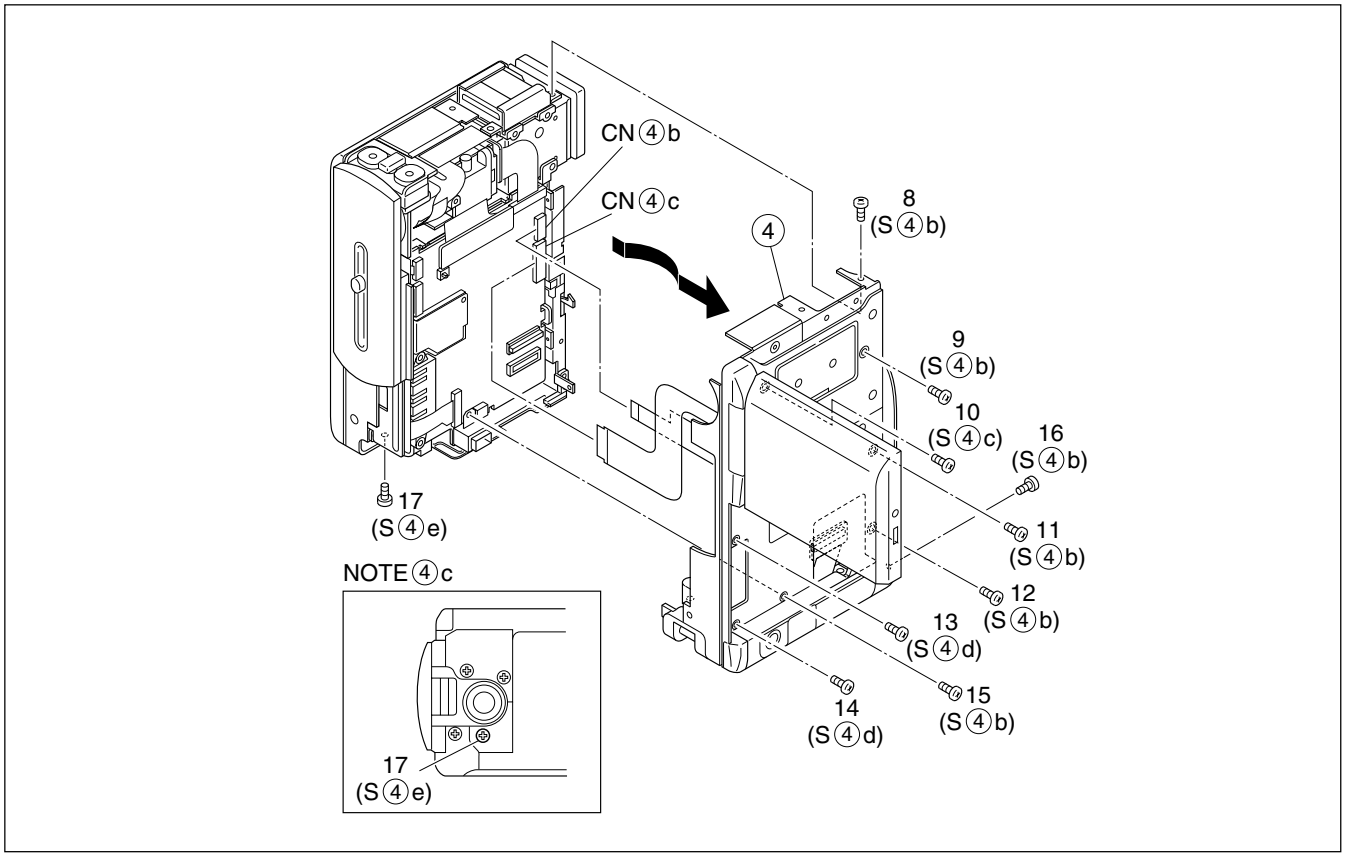



Fig. 1-3-3b

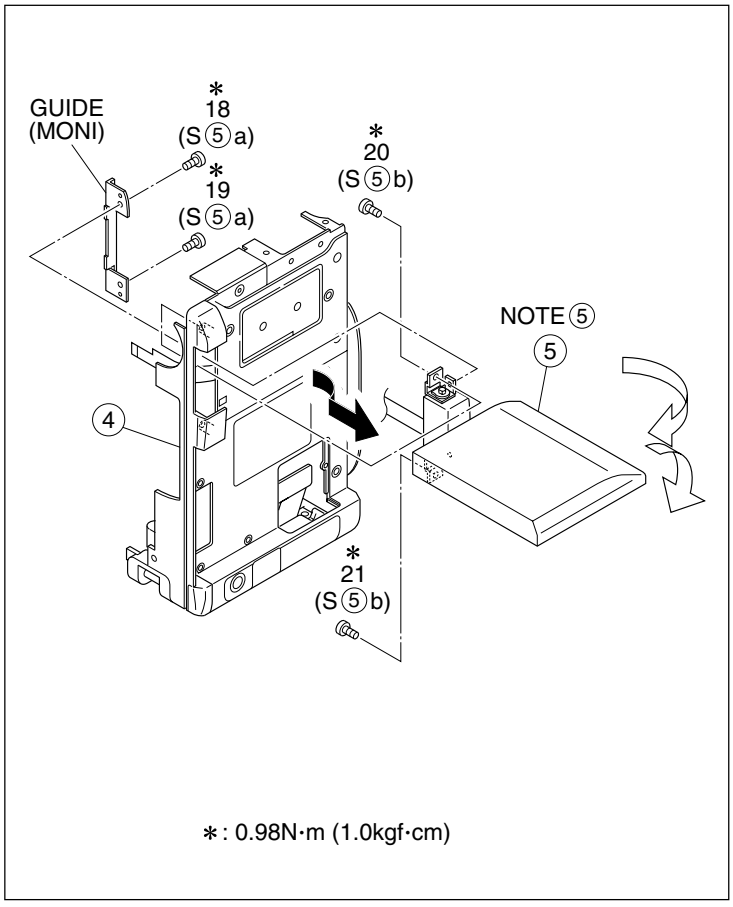



Fig. 1-3-4

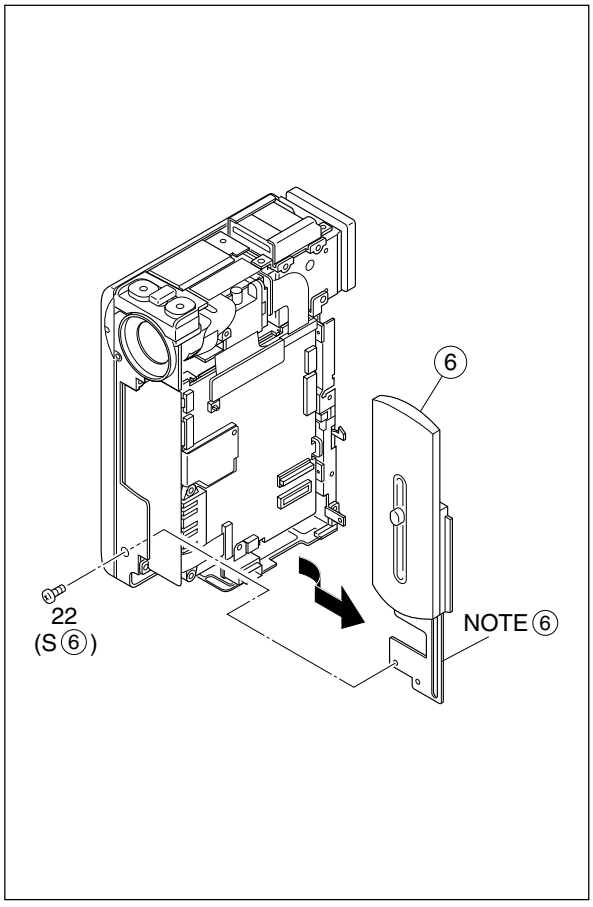



Fig. 1-3-5

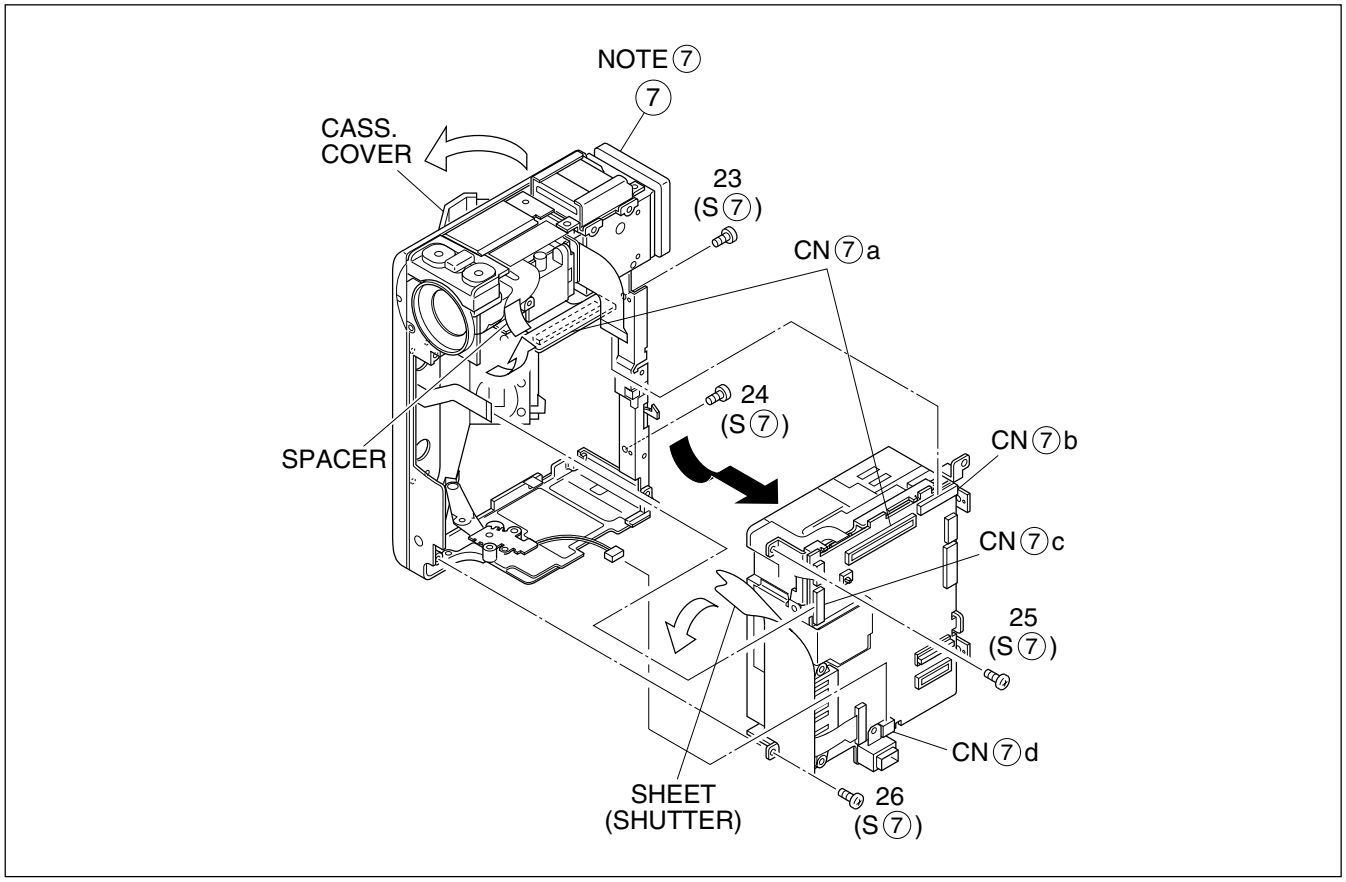



Fig. 1-3-6

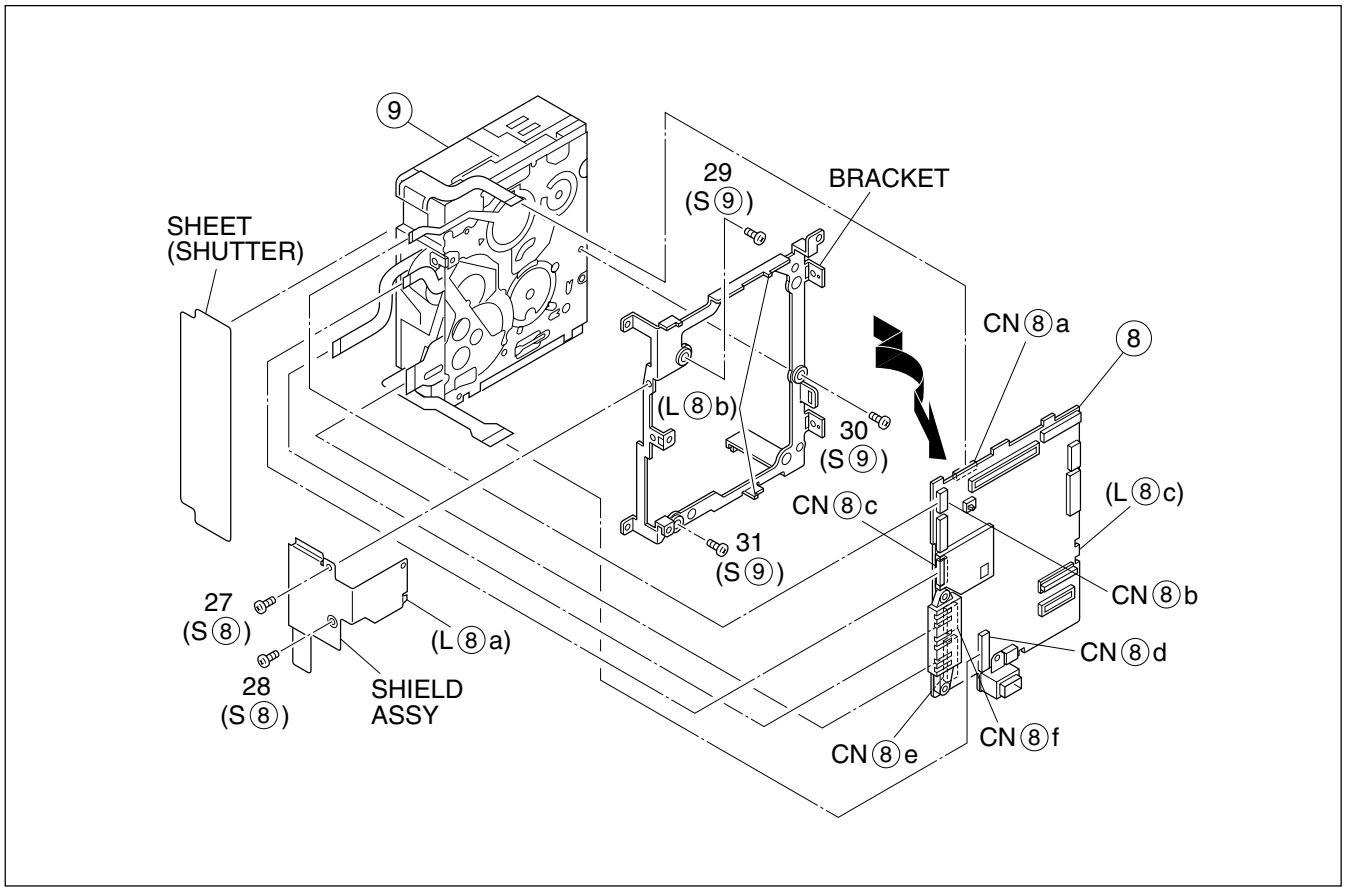



Fig. 1-3-7

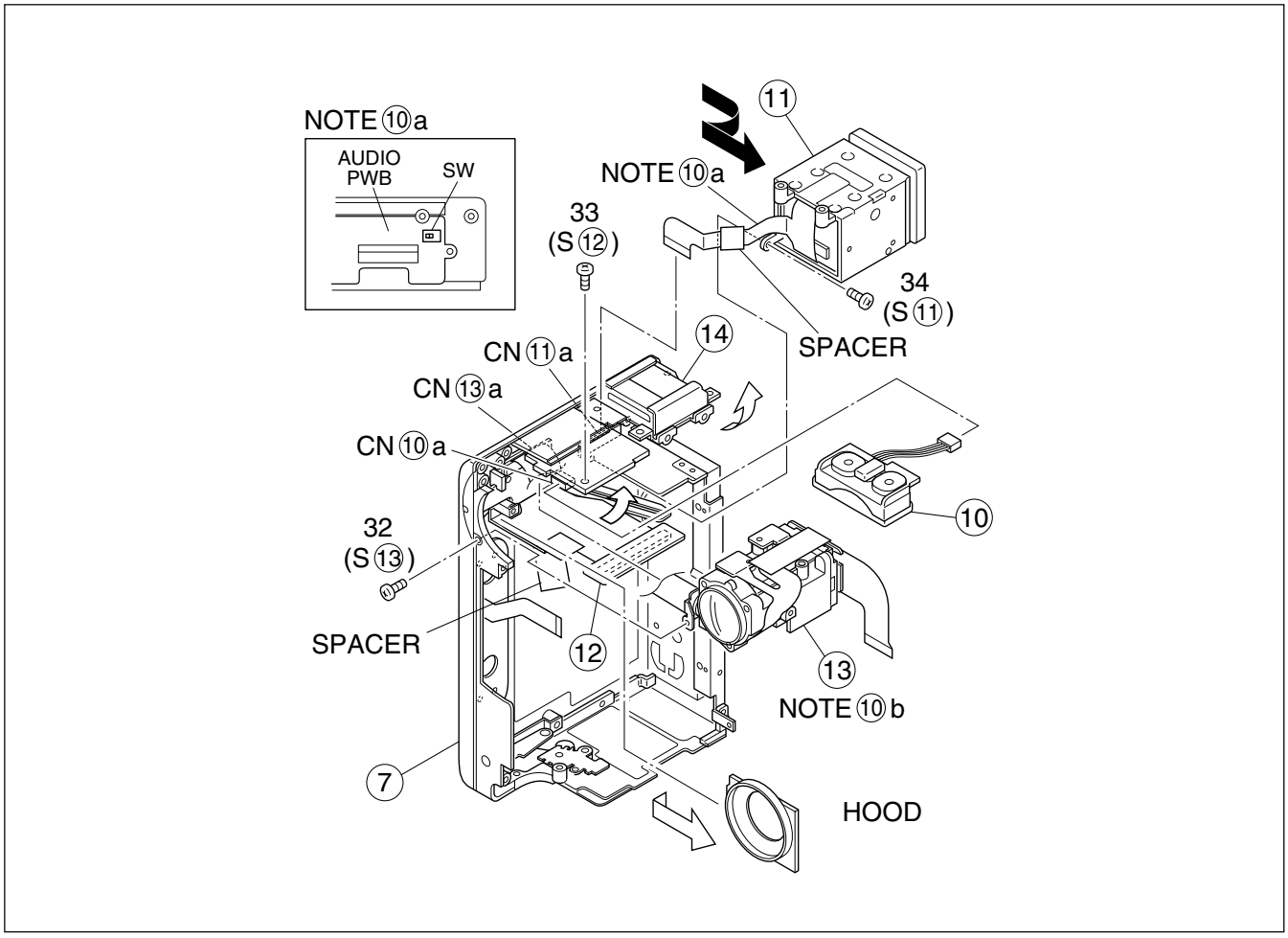



Fig. 1-3-8a

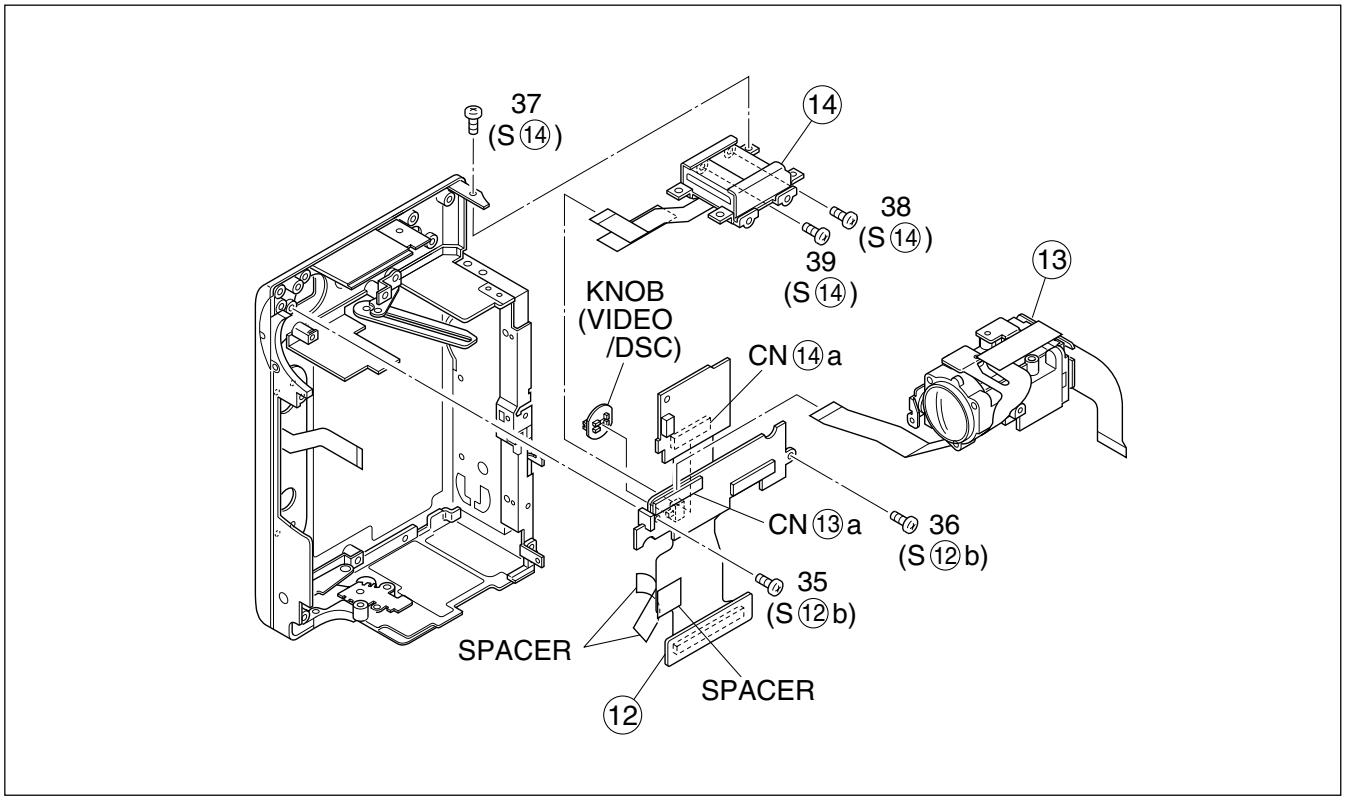



Fig. 1-3-8b

### 1.4 DISASSEMBLY OF ⑤ MONITOR ASSEMBLY

#### 1.4.1 ⑤ Monitor assembly/Hinge assembly

1. Remove the three screws (1 to 3) and then remove the monitor cover by disengaging the two hooks (L⑤a, L⑤b) at the top and bottom.

**Note⑤a:** *Be careful not to lose part (Lib).*

2. Pull out the part (sensor) from the monitor case assembly.
3. Disconnect FPC from the connector CN⑤a and then remove the MONITOR board assembly and backlight.

**Note⑤b:** *When removing the parts out of the monitor case assembly, be very careful not to damage the FPC and parts.*

**Note⑤c:** *Remove the MONITOR board assembly and backlight together unless it is needed to separate them from each other for part replacement, etc., because the two are soldered to each other.*

4. Take out the LCD module, back light and monitor board assembly from the monitor case assembly. Be careful with the hooks (L⑤e, L⑤f) on the two sides.
   Disconnect the FPC assembly from the connector (CN5b) and remove the LCD module. Be careful with the hooks (L⑤g ,L⑤h) on the two sides.

#### 1.4.2 Hinge assembly

1. Remove the two screws (4,5) to take out the FPC assembly while removing the hinge cover.

**Note⑤d:** *Be careful not to lose any part during the above-mentioned process.*

2. Remove the hinge cover (U) from hinge assembly.

**Note⑤e:** *Be careful not to lose any part during the abobe mentioned process.*

**Note⑤f:** *When reassembling, wind the FPC assembly around the hinge assembly by three turns and a half.*
*Be careful not to break the FPC wire during the work.*

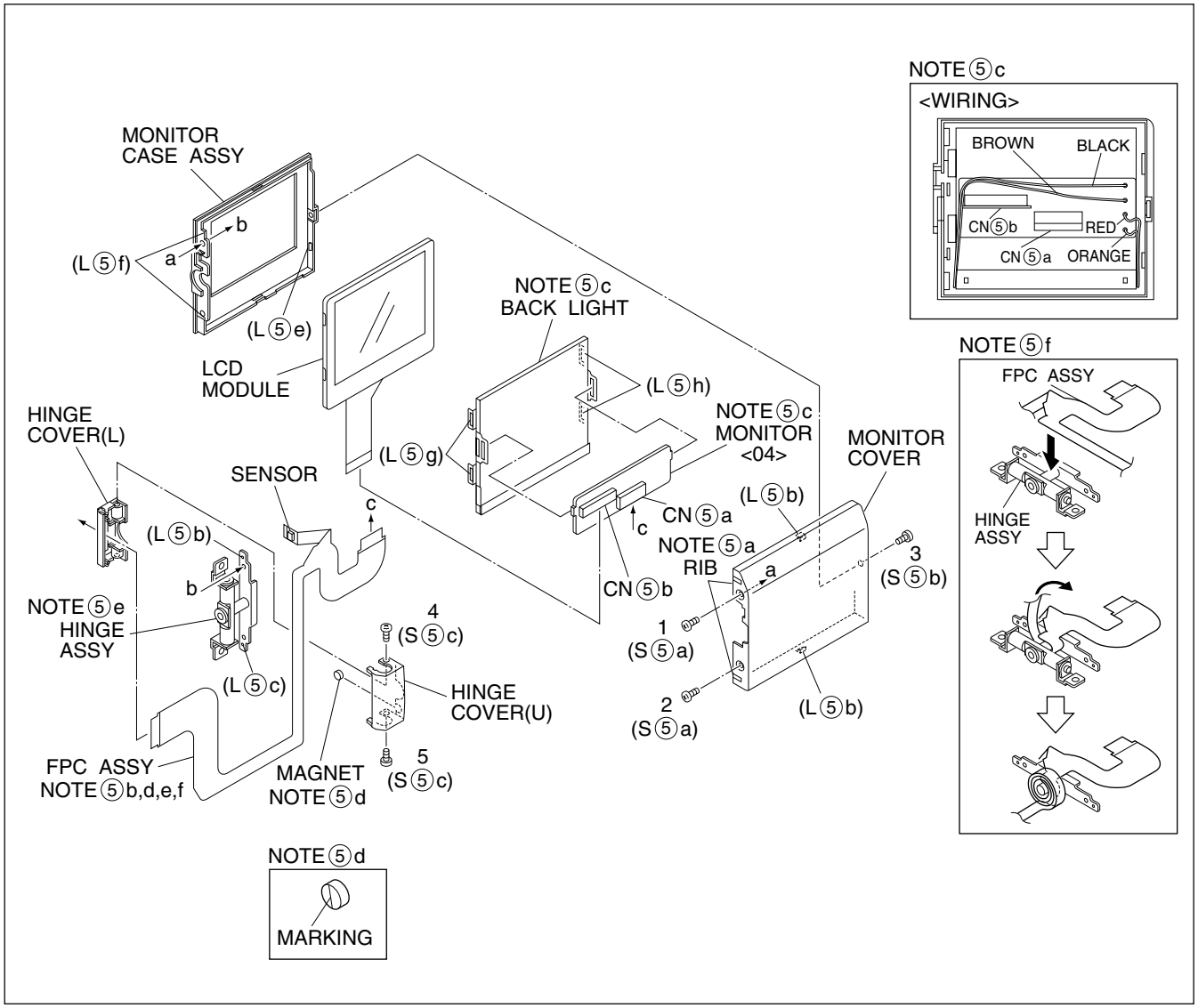



Fig. 1-4-1

## 1.5 DISASSEMBLY OF ⑪ E. VF ASSEMBLY

### 1.5.1 ⑪E. VF assembly

**Note⑪a:** *When disassembling the E VF assembly, remove the frame (VF) from the case/cap assembly depending on the situation.*

**Note⑪b:** *Be very careful not to get the inside of the VF soiled or dusty during and after disassembling the E. VF assembly.*

1. Draw the frame (VF) out of the case assembly.
2. Remove the eyecup and pull out the guide (VF).

**<Case assembly>**

3. While holding the guide (VF), pull out the case assembly, remove the two screws (1, 2) and remove the cap (VF).
4. Remove the three screws (3-5) and draw out the eye-piece sub assembly.
5. Draw out the guide (VF).

**Note⑪c:** *A lens assembly and a lever are mounted on the eye-piece sub assembly. When removing this assembly, be careful not to damage them.*

**<Frame (VF)>**

6. Remove the screw (6) first and then LCD module/holder (LCD).
7. Get the two hooks (L⑪a, L⑪b) disengaged and then remove the holder (LCD)

**Note⑪d:** *Carefully proceed with the above-mentioned work not to damage any part.*

8. Disconnect the connector (CN⑪a) and remove the LCD module.

**Note⑪e:** *Pay heed the parts not to damage any thing.*

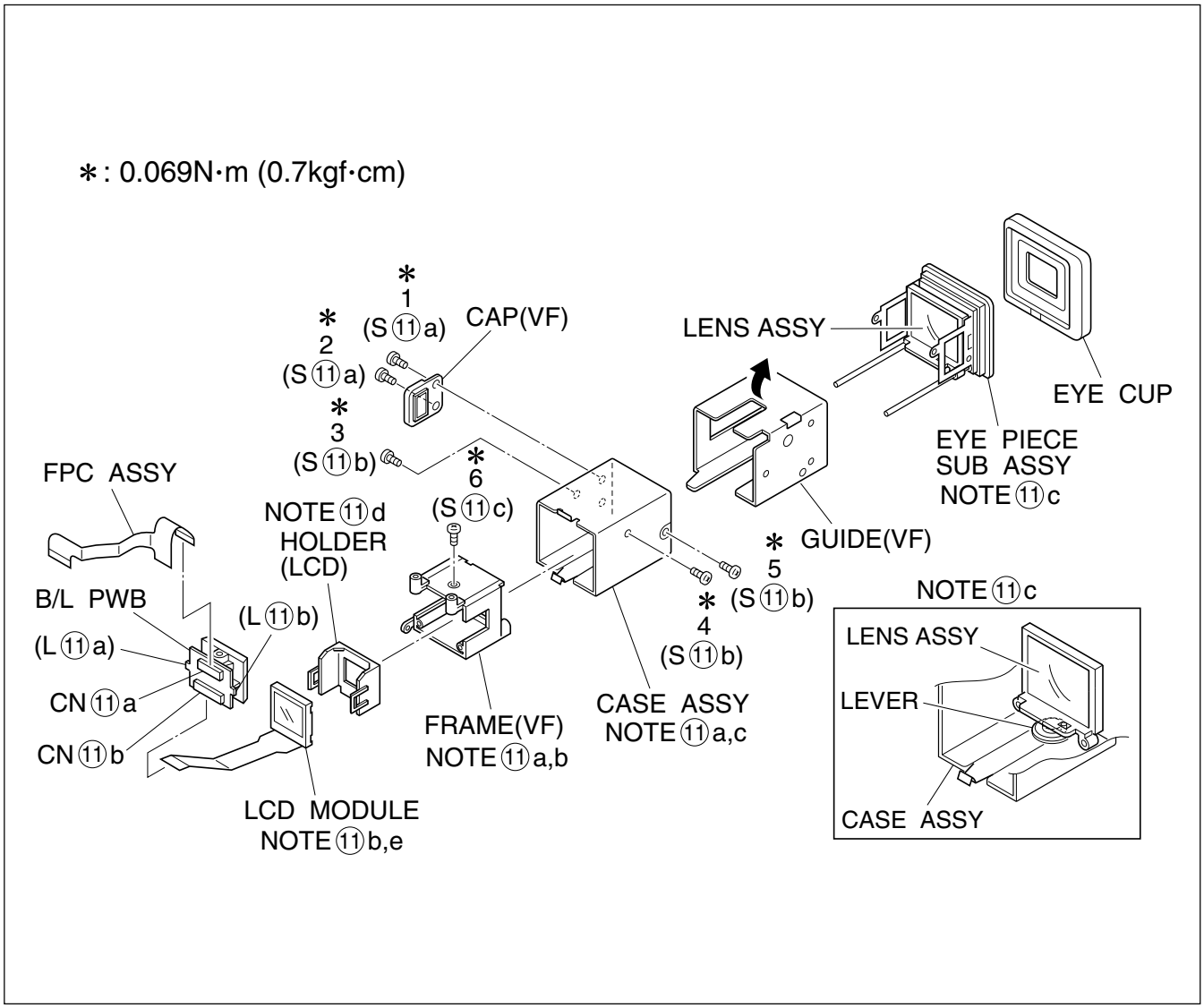



Fig. 1-5-1

## 1.6 DISASSEMBLY OF ⑬ OP BLOCK ASSEMBLY/CCD BOARD ASSEMBLY

### 1.6.1 Precautions

1. Carefully handle the CCD image sensor, optical LPF, lens, etc. during the disassembly work. Pay the most careful attention to the surface of those parts not to get it soiled, scratched or dusty. If some of those surfaces gets soiled with fingerprints, etc., wipe it out with silicone paper, clean chamois, cleaning cloth or the like.
2. The new CCD image sensor is occasionally shipped from the factory as a protection seal is applied onto its transparent glass. If so, leave the protection seal as it is and remove it just before installing the CCD image sensor in the OP block assembly.

### 1.6.2 How to remove OP block assembly and CCD board assembly

1. Remove the spacer.
2. Unsolder at the fourteen points (SD1) and remove the CCD board assembly.
3. Remove the two screws (1, 2) and then remove the CCD base assembly.

**Note⑬a:** *Carefully remove the CCD base assembly, because the space rubber and optical LPF may be removed together with the CCD image sensor.*

**Note⑬b:** *When replacing the CCD image sensor, don't replace it individually but replace the CCD base assembly in whole with a new one.*

### 1.6.3 How to install ⑬ OP block assembly and CCD board assembly

1. Install the optical LPF with the ⑬ OP block assembly.
2. With the spacer rubber left attached to the CCD base assembly, install the assembly in the OP block assembly and clamp it using the two screws (1, 2).
3. Set the CCD board assembly in the CCD base assembly, and fasten it by soldering at the fourteen points (SD1).

### 1.6.4 Replacement of service parts

Service parts to be supplied for the OP block assembly are as follows.
When replacing a part, be very careful not to get the FPC wire broken or damaged by soldering (overheating).

1. Focus motor
2. Zoom motor
3. Iris motor unit

**Note⑬c:** *When soldering the FPC wire of the focus motor or zoom motor during the replacement work, be sure to keep the tip of a soldering iron approximately 1 mm above the terminal.*

**Note⑬d:** *The iris motor unit includes one FPC assembly and two sensors.*

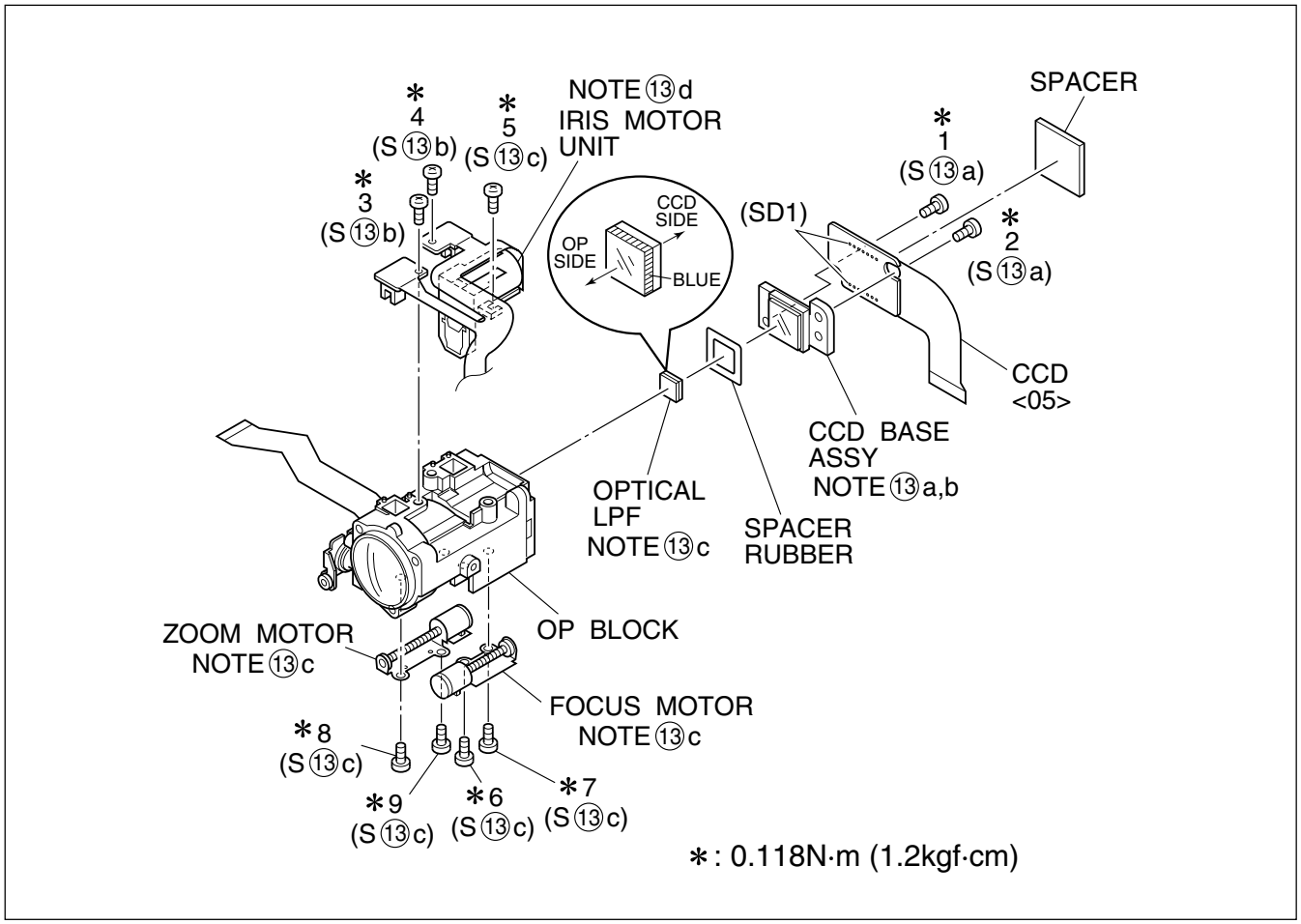


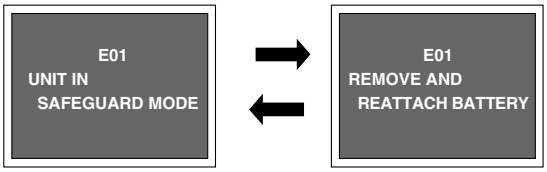

Fig. 1-6-1

## 1.7 EMERGENCY DISPLAY

Whenever some abnormal signal is input to the syscon CPU, an error number (E01, as an example) is displayed on the LCD monitor or (in the electronic view finder).
In every error status, such the message as shown below alternately appear over and over.

- In an emergency mode, all operations except turning on/off the POWER switch are ineffectual.

**Example (in case of the error number E01):**




| LCD display | Emergency mode | Details | Possible cause |
|---|---|---|---|
| E01 | LOADING | In the case the encoder position is not shifted to the next point though the loading motor has rotated in the loading direction for 4 seconds or more. This error is defined as [E01]. | 1. The mechanism is locked during mode shift.<br>2. The mechanism is locked at the mechanism loading end, because the encoder position is skipped during mechanism mode shift.<br>3. No power is supplied to the loading MDA. |
| E02 | UNLOADING | In the case the encoder position is not shifted to the next point though the loading motor has rotated in the unloading direction for 4 seconds or more. This error is defined as [E02]. | 1. The mechanism is locked during mode shift.<br>2. The mechanism is locked at the mechanism loading end, because the encoder position is skipped during mechanism mode shift. |
| E03 | TU & SUP REEL FG | In the case no REEL FG is produced for 4 seconds or more in the capstan rotation mode after loading was complete, the mechanism mode is shifted to STOP with the pinch roller set off. This error is defined as [E03].<br>However, no REEL EMG is detected in the SLOW/STILL mode. | 1. The idler gear does not engage with the reel disk well.<br>2. Though the idler gear and reel disk are engaged with each other, the tape is not wound because of overload to the mechanism.<br>3. No FG pulse is output from the reel sensor.<br>4. No power is supplied to the reel sensor.<br>5. Tape transport operation takes place with a cassette having no tape inside.<br>6. The tape slackens and no pulse is produced until the slack is taken up and the tape comes into the normal status. |
| E04 | DRUM FG | In the case there is no DRUM FG input in the drum rotation mode for 4 seconds or more. This error is defined as [E04], and the mechanism mode is shifted to STOP with the pinch roller set off. | 1. The drum cannot be started or drum rotation is stopped because tape transport load is too high.<br>1) Tape tension is extremely high.<br>2) The tape is damaged or soiled with grease, etc.<br>2. The DRUM FG signal is not received by the syscon CPU.<br>1) Disconnection in the middle of the signal line.<br>2) Failure of the DRUM FG pulse generator (hall element).<br>3. No drum control voltage is supplied to the MDA.<br>4. No power is supplied to the DRUM MDA. |
| E05 | – | – | – |
| E06 | CAPSTAN FG | In the case no CAPSTAN FG is produced in the capstan rotation mode for 2 seconds or more. This error is defined as [E06], and the mechanism mode is shifted to STOP with the pinch roller set off.<br>However, no CAPSTAN EMG is detected in the STILL/FF/REW mode. | 1. The CAPSTAN FG signal is not received by the syscon CPU.<br>1) Disconnection in the middle of the signal line.<br>2) Failure of the CAPSTAN FG pulse generator (MR element).<br>2. No capstan control voltage is supplied to the MDA.<br>3. No power is supplied to the CAPSTAN MDA.<br>4. The capstan cannot be started or capstan rotation is stopped because tape transport load is too high.<br>1) Tape tension is extremely high. (Mechanical locking)<br>2) The tape is damaged or soiled with grease, etc. (Tape tangling occurs, etc.) |

(DVC_03)

Table 1-7-1

### 1.8 SERVICE KNOW-HOW

When performing disassembly/assembly work to this model, the parts that are most complicated and require special attention are the EVF unit and the AUDIO board, OP block and shoe assemblies, all of which are mounted inside the lower case assembly.
Care should be taken in handling these parts as they are mounted inside the lower case assembly (except the E.VF unit) and there is a lack of adequate space to work conveniently. This section gives further details regarding the disassembly procedures, although they have been described in previous sections.

1. See Fig. 1-8-1.

(1) Remove the hood by moving the ⑩ microphone out of way.
(2) Peel off the spacer, remove the screw (32) and take out the ⑬ OP block assembly by moving the ⑩ microphone out of the way.
(3) Remove the screw (33) and, while opening the ⑫ AUDIO board assembly, disconnect the wire from the connector (CN203) and remove the ⑩ microphone.
(4) Remove the screw (34), peel off the spacer, take out the ⑪ E.VF assembly by moving the ⑭ shoe assembly out of way, disconnect the FPC from the connector (CN204).

**Note:** *Be careful not to damage the FPC or the switches when carrying out this work.*

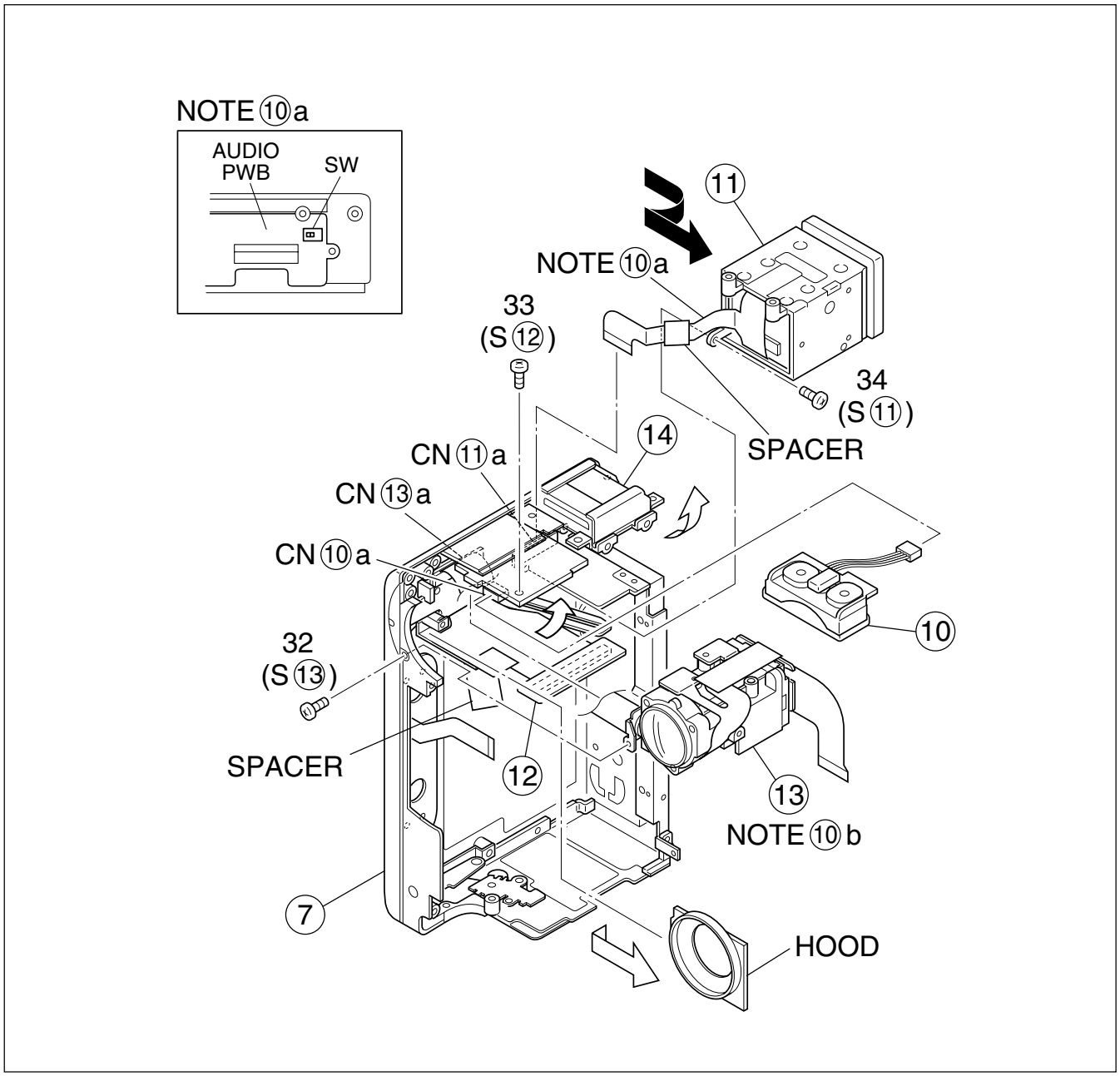



Fig. 1-8-1

2. See Fig. 1-8-2.

(1) Remove the two screws (35,36) in order to free the ⑫ AUDIO board assembly.
(2) Remove the three screws (37 to 39), peel off the spacer and take out the ⑫ AUDIO board assembly together with the ⑬ OP block assembly and the ⑭ shoe assembly.

**Note:** *Be careful not to lose the VIDEO and DSC knobs, which may slip out during the disassembly.*

(3) Disconnect the FPCs from the connectors on the ⑬ OP block assembly and the ⑭ shoe assembly.

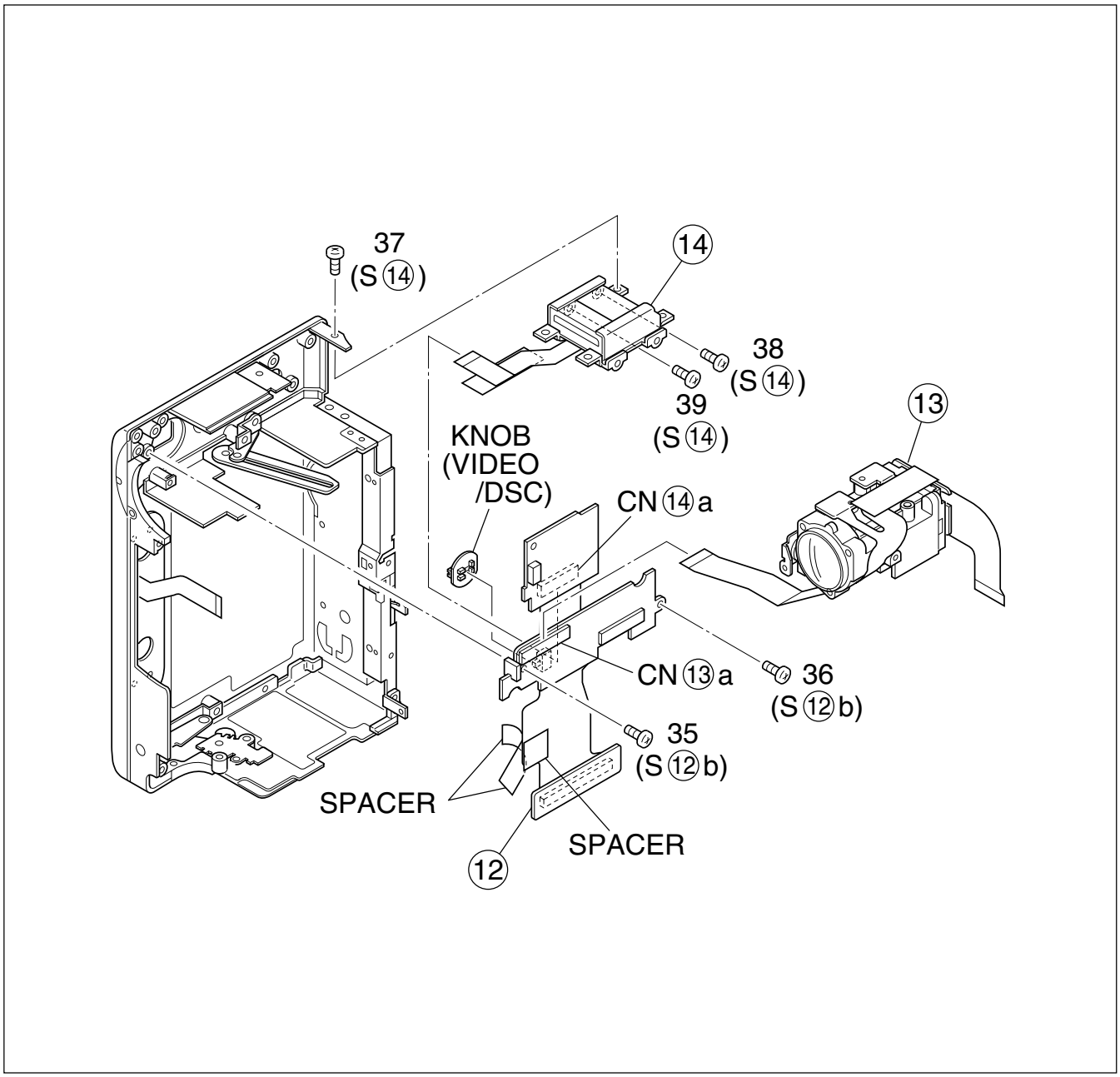



Fig. 1-8-2

| Symbol No. → | ① | ② | | ③ | | | ④ | | | | | | | | ⑤ | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Removing order of screw → | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 11 | 12 | 13 | 14 | 16 | 17 | 18 | 19 | 20 | 21 |
| Place to stick screw → | | | | | | | | | | | | | | | | ✻ | ✻ | ✻ | ✻ |
| Reference drawing → | Fig.1-3-1 | Fig.1-3-2 | | | | | Fig.1-3-3a | Fig.1-3-3b | | | | | | | | Fig.1-3-4 | | | |
| Screw tightening torque → | Ⅰ | | | | | | | | | | | | | | | Ⅱ | | | |

| Symbol No. → | ⑥ | ⑦ | | | | ⑧ | | ⑨ | | | ⑩ | | ⑪ | ⑫ | | ⑬ | ⑭ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Removing order of screw → | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | – | 37 | 38 | 39 |
| Place to stick screw → | | | | | | | | | | | | | | ✻ | ✻ | | ✻ | ✻ | ✻ |
| Reference drawing → | Fig.1-3-5 | Fig.1-3-6 | | | | Fig.1-3-7 | | | | | Fig.1-3-8a | | | Fig.1-3-8b | | | | | |
| Screw tightening torque → | Ⅰ | | | | | | | | | | | | | | | | | | |

| ⑤ MONITOR ASSY | | | | | |
|---|---|---|---|---|---|
| Removing order of screw → | 1 | 2 | 3 | 4 | 5 |
| Place to stick screw → | ✻ | ✻ | ✻ | | |
| Reference drawing → | Fig. 1-4-1 | | | | |
| Screw tightening torque → | Ⅰ | | | | |

| ⑪ E VF UNIT | | | | | | |
|---|---|---|---|---|---|---|
| Removing order of screw → | 1 | 2 | 3 | 4 | 5 | 6 |
| Place to stick screw → | | | | | | |
| Reference drawing → | Fig.1-5-1 | | | | | |
| Screw tightening torque → | Ⅳ | | | | | |

| ⑬ OP BLOCK ASSY | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Removing order of screw → | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Place to stick screw → | | | | | | | | |
| Reference drawing → | Fig.1-6-1 | | | | | | | |
| Screw tightening torque → | Ⅲ | | | | | | | |

< NOTE >

1) ✻ : Don't reuse the screw, because screw lock bond was applied to them.

2) Pay careful attention to tightening torque for each screw.

Ⅰ : 0.078N·m (0.8kgf·cm) Ⅱ : 0.098N·m (1.0kgf·cm) Ⅲ : 0.118N·m (1.2kgf·cm)

Ⅳ : 0.069N·m (0.7kgf·cm)

Table 1-9-1

# SECTION 2
# MECHANISM ADJUSTMENT

## 2.1 PRELIMINARY REMARKS ON ADJUSTMENT AND REPAIR

### 2.1.1 Precautions

1. When fastening parts, pay careful attention to the tightening torque of each screw. Unless otherwise specified, tighten a screw with the torque of 0.039 N•m (0.4 kgf•cm).
2. Be sure to disconnect the set from the power supply before fastening and soldering parts.
3. When disconnecting/connecting wires, be careful not to get them and their connectors damaged. (Refer to the Section 1.)
4. When replacing parts, be very careful neither to damage other parts nor to fit wrong parts by mistake.

### 2.1.2 Notes on procedure for disassemby/assembly

The disassembling procedure table (Table 2-4-1 on page 2-5,a part of the table is shown below for reference)shows the procedure to disassemble/reassemble mechanism parts.
Carefully read the following explanation before starting actual disassembling/reassembling work. The item numbers (circled numbers)in the following explanation correspond to those appearing under respective columns of the table.

(1) Circled numbers appearing in this column indicate the order to remove parts. When reassembling, follow these numbers in the reverse order. Circled numbers in this column correspond to those appearing in drawings of this section.

(2) This column shows part names corresponding to circled numbers in the left column.

(3) The symbol (T or B)appearing in this column shows the side which the objective part is mounted on.
T =the upper side, B =the lower side

(4) Symbols appearing in this column indicate drawing numbers.
Step Part Name Fig. Point Note Remarks

(5) This column indicates parts and points such as screws, washers,springs,and others to be removed/fitted for disassembling/reassembling the mechanism. Besides such the parts, this column occasionally indicates working points.

P = Spring
W = Washer
S = Screw
* = Lock (L),soldering (SD),shield,connector (CN), etc.

Example
- Remove ((W1)=Washer W1.
- **Remove the solder at (SD1)=Point SD1.
- **Disconnect Ⓐ =Connector Ⓐ .

(6) Numbers in this column represent the numbers of notes in the text.
(For parts that need phase adjustment after reassembling, refer to “2.6 MECHANISM ADJUSTMENTS”.)

(7) This column indicates required after-disassembling/-reassembling work such as phase adjustment or mechanism adjustment.

| NO. | PART NAME | | FIG. | POINT | NOTE | REMARKS |
|---|---|---|---|---|---|---|
| ① | CASSETTE HOUSING ASSY | T | Fig.2-4-3 | 3(S①),(L①a)-(L①e) | NOTE①a,b,c,d | ADJUSTMENT |
| ② | UPPER BASE ASSY | T | Fig.2-4-4 | (S②),(L②a),(L②b) | NOTE② | |
| ③ | DRUM ASSY | T | | (S③a),2(S③b) | NOTE③a,b | |
| ④ | REEL DISK ASSY(SUP) | T | Fig.2-4-5 | (W④) | NOTE④a | |
| ⑤ | REEL DISK ASSY(TU) | T | | (W⑤) | NOTE⑤ | |
| ⑥ | REEL COVER ASSY | T | | 2(W⑥),(S⑥a),2(S⑥b) | NOTE⑥ | ADJUSTMENT |
| | (1) | (2) | (3) | (4) | (5) | (6) (7) |

## 2.2 JIGS AND TOOLS REQUIRED FOR DISASSEMBLY, ASSEMBLY AND ADJUSTMENT

### 2.2.1 Tools required for adjustments

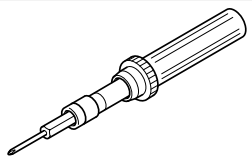
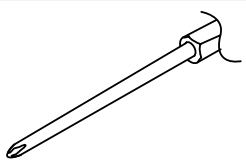
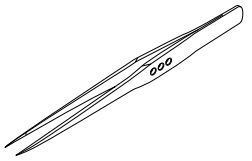
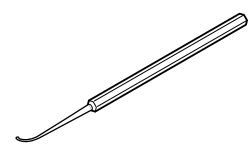
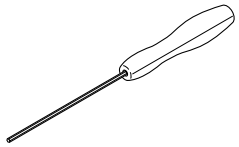
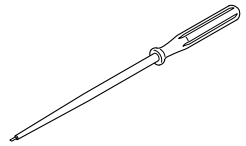
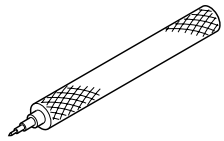
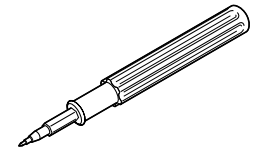
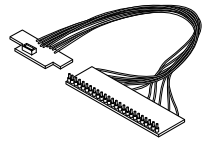
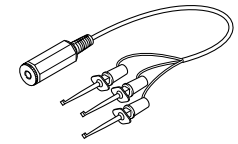
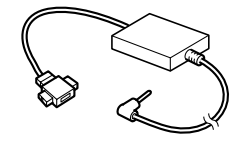
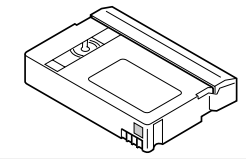
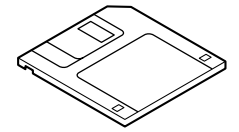
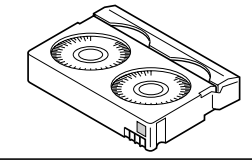
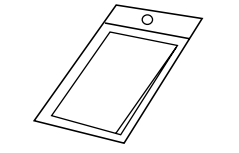
| | |
|---|---|
| 1 Torque Driver<br>YTU94088 | 2 Bit<br>YTU94088-003 |
|  |  |
| 3 Tweezers<br>P-895 | 4 Chip IC Replacement Jig<br>PTS40844-2 |
|  |  |
| 5 Guide Driver (Hexagonal)<br>D-770-1.27 | 6 Adjustment Driver<br>YTU94028 |
|  |  |
| 7 Slit Washer Installation Jig<br>YTU94121A | 8 Slit Washer Installation Jig<br>YTU94121B |
|  |  |
| 9 Jig Connector cable<br>YTU93106C | 10 Communication cable<br>YTU93107A |
|  |  |
| 11 PC cable<br>QAM0099-002 | 12 Alignment Tape<br>MC-1 |
|  |  |
| 13 Service Support System<br>YTU94057-54 | 14 Cassette Torque Meter<br>YTU94151A |
|  |  |
| 15 Cleaning Cloth<br>KSMM-01 | |
|  | |

Table 2-2-1

1. **Torque Driver**
   Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.
2. **Bit**
   This bit is slightly longer than those set in conventional torque drivers.
3. **Tweezers**
   To be used for removing and installing parts and wires.
4. **Chip IC Replacement Jig**
   To be used for adjustment of the camera system.
5. **Guide Driver (Hexagonal)**
   To be used to turn the guide roller to adjustment of the linarity of playback envelope.
6. **Adjustment Driver**
   To be used for adjustment.
7. **Slit Washer Installation Jig**
   To be used to install slit washers.
8. **Slit Washer Installation Jig (NEW TYPE)**
   To be used to install slit washers.
9. **Jig Connector Cable**
   Connected to CN114 of the main board and used for electrical adjustment, etc.
10. **Communication Cable**
    Connect the Communication cable between the PC cable and Jig connector cable when performing a PC adjustment.
11. **PC Cable**
    To be used to connect the VideoMovie and a personal computer with each other when a personal computer is used for adjustment.
12. **Alignment Tape**
    To be used for check and adjustment of interchangeability of the mechanism.
13. **Service Support System**
    To be used for adjustment with a personal computer.
14. **Cassette Torque Meter**
    This is used to cheek the back tension and play torque during mechanism adjustment.

    **Note:** *When using the cassette torque meter, install the service support system software in advance.*
    - *LED : Forced to ON*
    - *EJECT SW : OFF (Cancel)*

    *The above setting is required to prevent any tape damage that may occur because the cassette torque meter cannot detect the leading/trailing sections of the tape.*
15. **Cleaning Cloth**
    Recommended cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.

## 2.3 DISASSEMBLY/ASSEMBLY OF MECHANISM ASSEMBLY

### 2.3.1 General statement

The mechanism should generally be disassembled/assembled in the C.IN mode (ASSEMBLY mode). (Refer to Fig. 2-3-1,2.)
However, when the mechanism is removed from the main body, it is set in the STOP mode. Therefore, after the mechanism is removed from the main body, supply 3 V DC to the electrode on the top of the loading motor to enter the mechanism mode into the C,IN mode compulsory.

**<Mechanism assembly/Cassette housing assembly>**

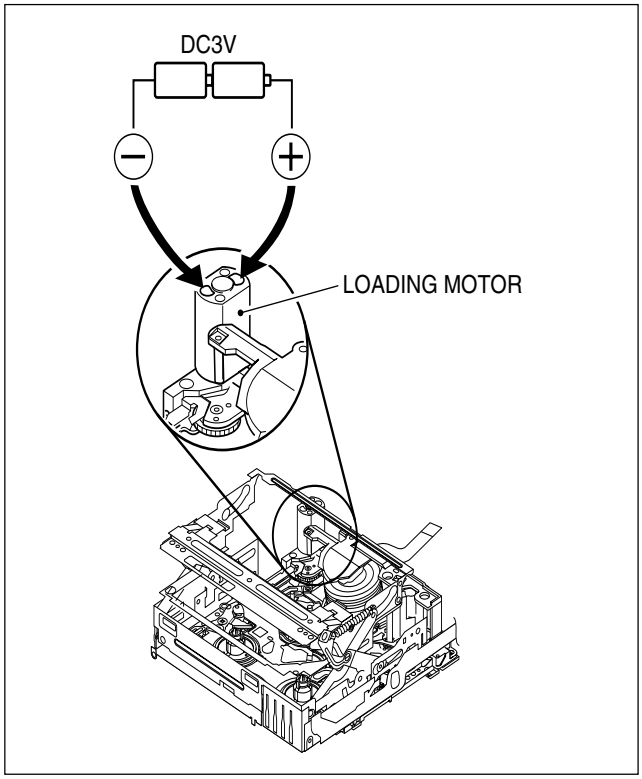



Fig. 2-3-1

**<Back side of the mechanism assembly>**

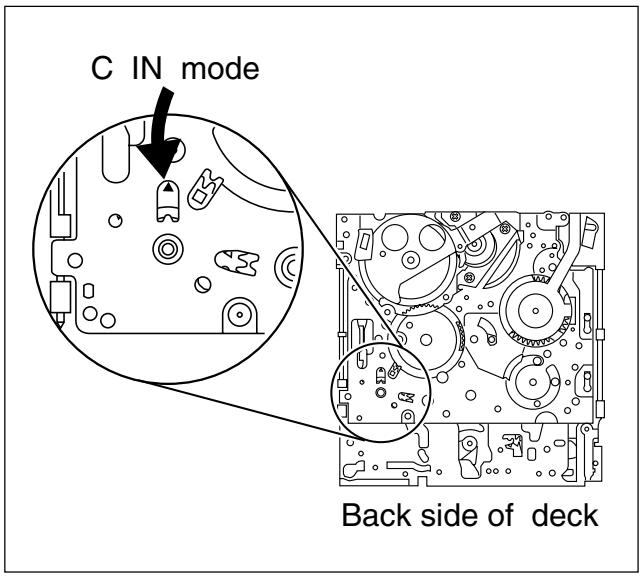



Fig. 2-3-2

### 2.3.2 Explanation of mechanism mode

The mechanism mode of this model is classified into five modes as shown in Table 2-3-1. Each mechanism mode can be distinguished from others by the relative position of "△", "○", "⬭" "□" marks on the sub cam gear to the inner or outer protrusion on the main deck.
Refer to Fig. 2-3-3 to 2-3-8 below.

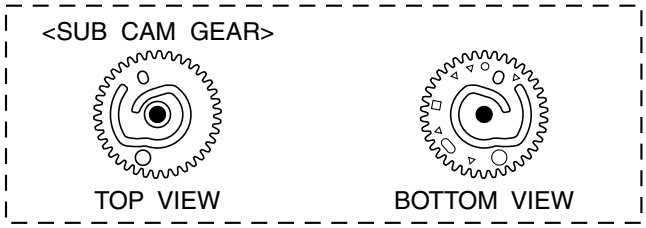



Fig. 2-3-3

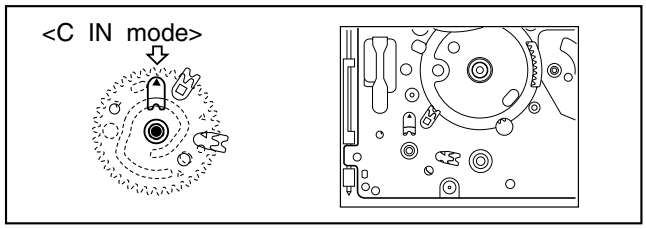



Fig. 2-3-4

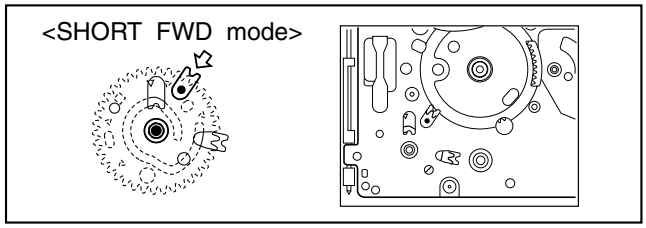



Fig. 2-3-5

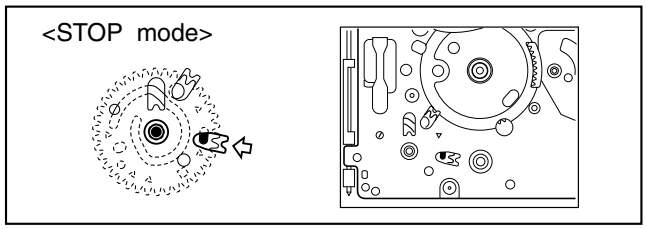



Fig. 2-3-6

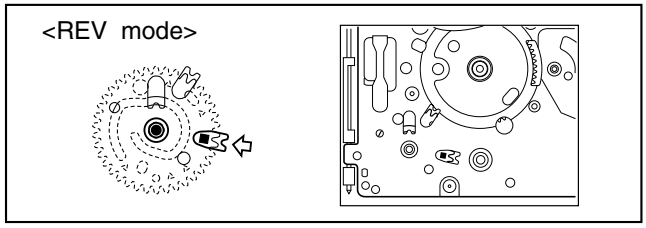



Fig. 2-3-7

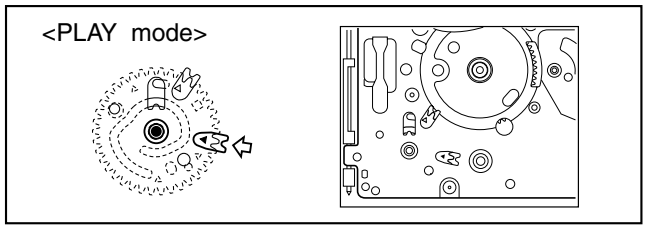



Fig. 2-3-8

### 2.3.3 Mechanism timing chart

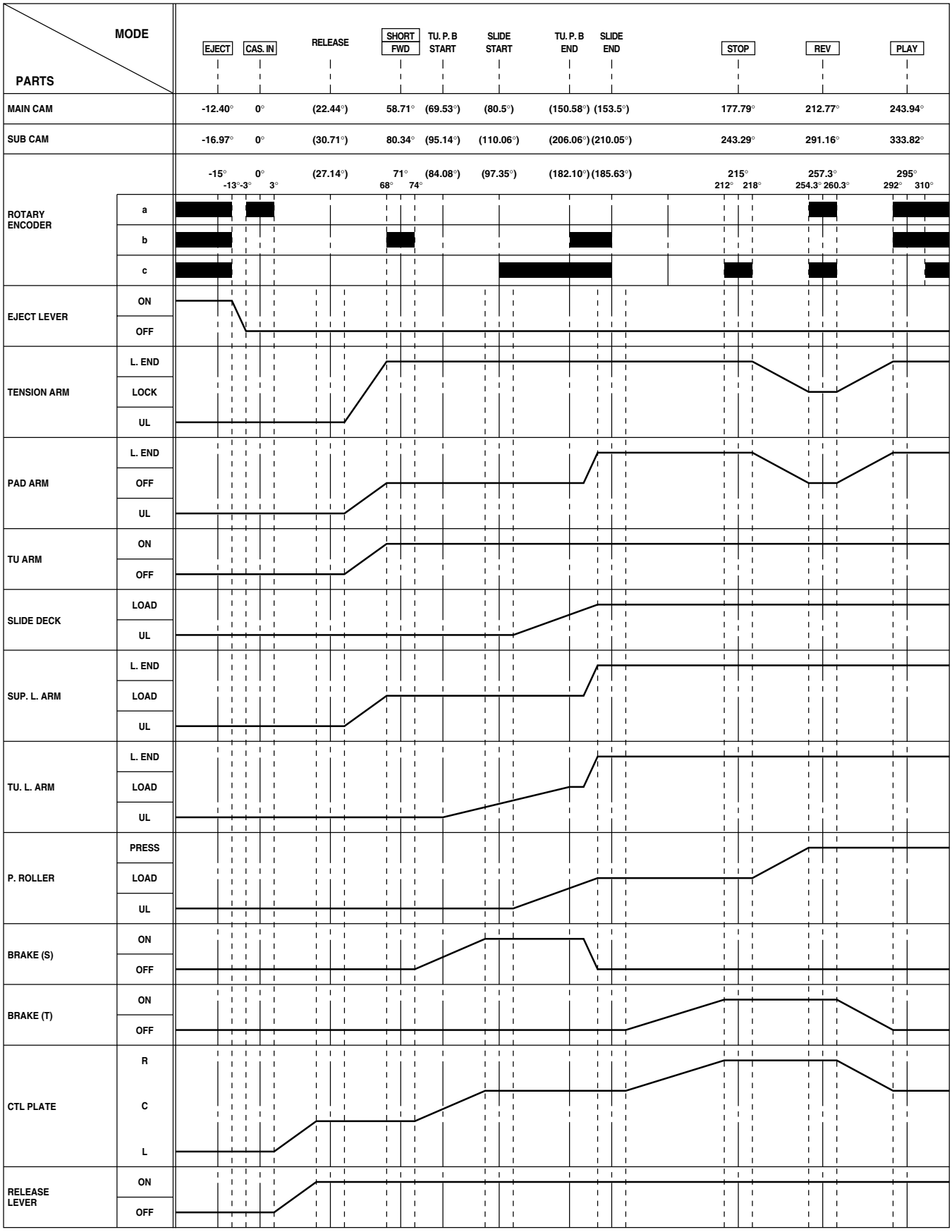



Table 2-3-1

### 2.4 DISASSEMBLING PROCEDURE TABLE

MARK: ★ After assembly, perform adjustments.

| NO. | PART NAME | | FIG. | POINT | NOTE | REMARKS |
|---|---|---|---|---|---|---|
| ① | CASSETTE HOUSING ASSY | T | Fig.2-4-3 | 3(S①),(L①a)-(L①e) | NOTE①a,b,c,d | ADJUSTMENT |
| ② | UPPER BASE ASSY | T | Fig.2-4-4 | (S②),(L②a),(L②b) | NOTE② | |
| ③ | DRUM ASSY | T | | (S③a),2(S③b) | NOTE③a,b | |
| ④ | REEL DISK ASSY(SUP) | T | Fig.2-4-5 | (W④) | NOTE④ | |
| ⑤ | REEL DISK ASSY(TU) | T | | (W⑤) | NOTE⑤ | |
| ⑥ | REEL COVER ASSY | T | | 2(W⑥),2(S⑥a),(S⑥b) | NOTE⑥ | ADJUSTMENT |
| ⑦ | TENSION ARM ASSY | T | Fig.2-4-6 | — | NOTE⑦ | ADJUSTMENT / ★ |
| ⑧ | SLANT POLE ARM ASSY | T | | — | NOTE⑧ | ADJUSTMENT |
| ⑨ | TU ARM ASSY | T | | — | NOTE⑨ | ADJUSTMENT |
| ⑩ | SWING ARM ASSY | T | | (S⑩) | NOTE⑩ | ADJUSTMENT |
| ⑪ | SLIDE DECK ASSY | T | Fig.2-4-7a | 2(S⑪a),(S⑪b),2(L⑪a),2(L⑪b),(L⑪c) | NOTE⑪a,b | ADJUSTMENT / ★ |
| ⑫ | PAD ARM ASSY | T | Fig.2-4-7b | (P⑫),(L⑫),(W⑫) | NOTE⑫ | ADJUSTMENT / ★ |
| ⑬ | SUP BRAKE ASSY | T | | (P⑬),(L⑬),(S⑬) | NOTE⑬ | ADJUSTMENT |
| ⑭ | TU BRAKE ASSY | T | | (P⑭),(L⑭),(W⑭) | NOTE⑭ | ADJUSTMENT |
| ⑮ | TENSION CTL LEVER ASSY | T | Fig.2-4-8 | — | NOTE⑮ | ADJUSTMENT |
| ⑯ | CENTER GEAR | T | | — | NOTE⑯ | |
| ⑰ | PINCH ROLLER ARM F. ASSY | T | | (W⑰) | NOTE⑰ | |
| ⑱ | TENSION CTL PLATE ASSY | T | | — | NOTE⑱ | ADJUSTMENT |
| ⑲ | BRAKE CTL LEVER ASSY | T | | — | NOTE⑲ | ADJUSTMENT |
| ⑳ | MOTOR BRACKET ASSY | T | Fig.2-4-9 | 3(S⑳),(L⑳a),2(L⑳b) | NOTE⑳ | ADJUSTMENT |
| ㉑ | GUIDE RAIL ASSY | T | | 2(W㉑),(S㉑),2(L㉑a),(L㉑b) | NOTE㉑ | ADJUSTMENT |
| ㉒ | SLIDE LEVER 2 ASSY | T | | — | NOTE㉒ | ADJUSTMENT / ★ |
| ㉓ | LOADING PLATE ASSY | T | | (W㉓) | NOTE㉓ | ADJUSTMENT |
| ㉔ | MODE GEAR | T | | — | NOTE㉔ | |
| ㉕ | EJECT LEVER | T | | (W㉕) | NOTE㉕ | ADJUSTMENT |
| ㉖ | BASE R ASSY | T | Fig.2-4-10 | (S㉖a),(S㉖b),2(L㉖) | NOTE㉖ | ADJUSTMENT |
| ㉗ | ROTARY ENCODER | T | | 2(S㉗) | NOTE㉗ | PHASE ADJUSTMENT |
| ㉘ | GEAR COVER ASSY | T | | (S㉘a),2(S㉘b) | — | |
| ㉙ | MAIN CAM ASSY | T | | — | NOTE㉙ | PHASE ADJUSTMENT |
| ㉚ | SLIDE ARM ASSY | T | Fig.2-4-11 | — | NOTE㉚ | ADJUSTMENT |
| ㉛ | CONNECT GEAR 2 | T | | — | NOTE㉛ | |
| ㉜ | SUB CAM ASSY | T | | (S㉜) | NOTE㉜ | PHASE ADJUSTMENT |
| ㉝ | CONTROL ARM ASSY | T | | — | NOTE㉝ | ADJUSTMENT |
| ㉞ | REEL GEAR 1 | T | | — | NOTE㉞ | |
| ㉟ / ㊱ | DRUM BASE ASSY/ CAPSTAN MOTOR | T | Fig.2-4-12 | 3(S㉟) | NOTE㉟a,b | ADJUSTMENT |
| ㊱ | CAPSTAN MOTOR | T | | (S㊱) | NOTE㊱ | ADJUSTMENT |
| ㊲ | MAIN DECK ASSY | T | | — | — | |

Table 2-4-1

**< TOP VIEW >**

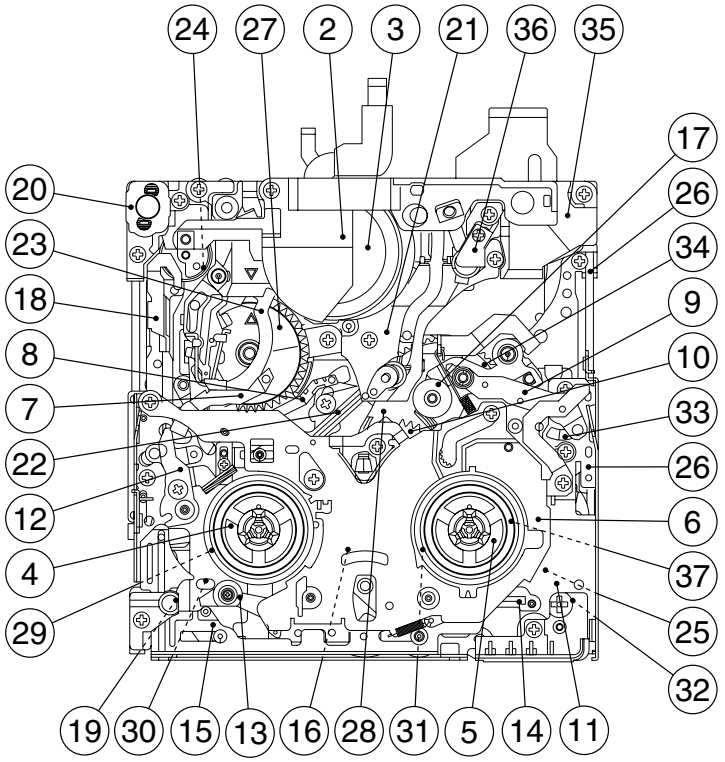



Fig. 2-4-1

**< BOTTOM VIEW >**

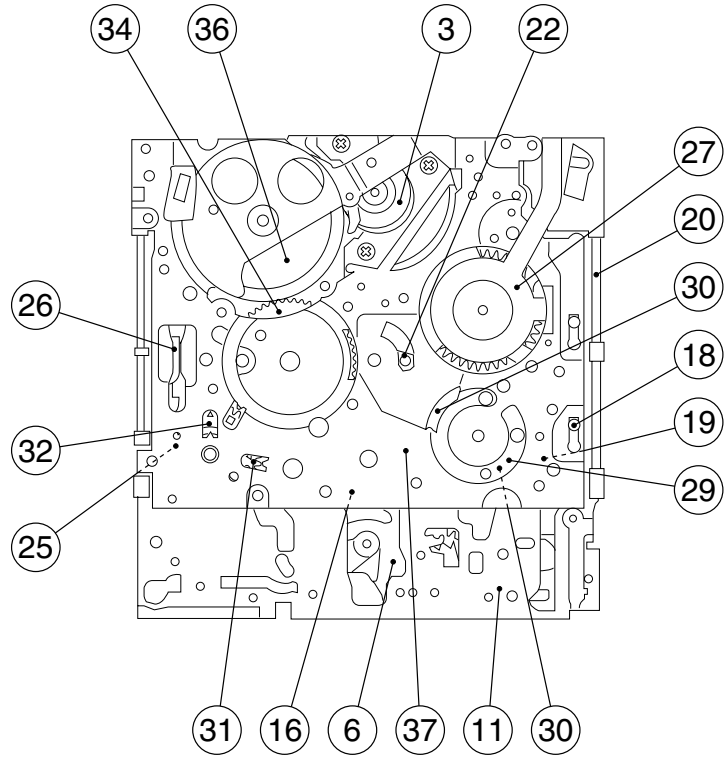



Fig. 2-4-2

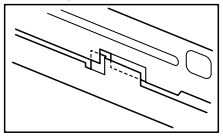
### 2.4.1 Disassembly/assembly

1. ① CASSETTE HOUSING ASSY

**NOTE①a:**
*Be careful not to damage any of the parts during work.*

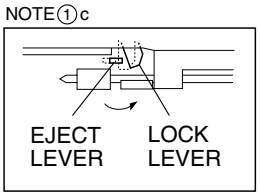
**NOTE①b:**
*Special care is required in mounting.*

NOTE①b



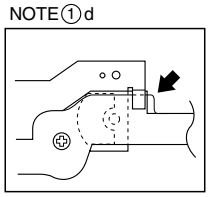
**NOTE①c:**
*When mounting, the CASSETTE HOUSING ASSY should be attached in the Eject status. Pay heed to the positions of the LOCK LEVER and EJECT LEVER during mounting.*

NOTE①c




**NOTE①d:**
*When mounting, be sure to locate the FPC in the gap.*

NOTE①d



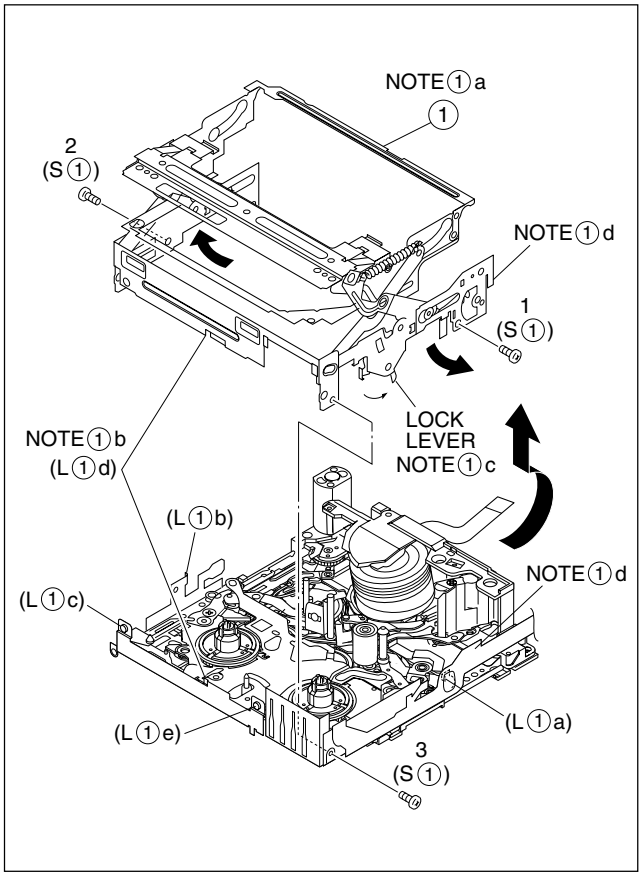
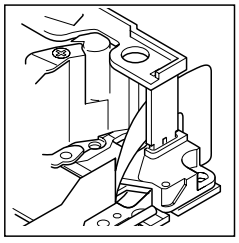



Fig. 2-4-3

2. ② UPPER BASE ASSY
   ③ DRUM ASSY

**NOTE②:**
*When mounting, be sure to insert the FPC reinforcing sheet.*

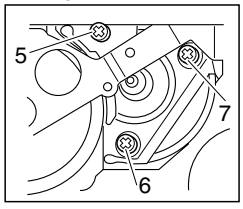
NOTE②



**NOTE③a:**
*Be mindful of scratches or damage during work.*

**NOTE③b:**
*Be careful not to attach screws incorrectly.*

NOTE③b



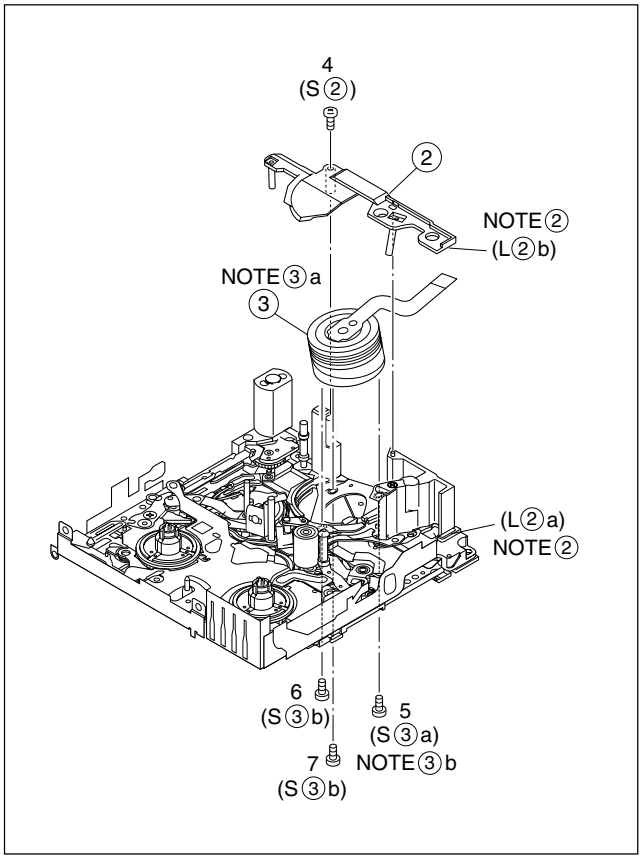



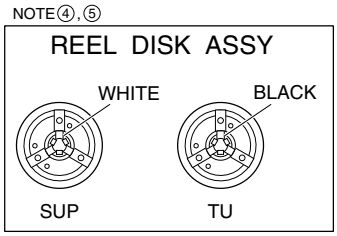

Fig. 2-4-4

3. ④ REEL DISK ASSY(SUP)
   ⑤ REEL DISK ASSY(TU)
   ⑥ REEL COVER ASSY

**NOTE④:**
*Be careful not to attach the REEL DISK wrongly. The Supply side can be identified by the white color at the center.*

**NOTE⑤:**
*Be careful not to attach the REEL DISK wrongly. The Take-up side can be identified by the black color at the center.*

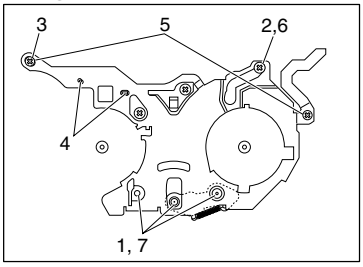
NOTE④,⑤




**NOTE⑥:**
*Perform the following steps for mounting.*

1. *Align the 2 holes with the pins.*
2. *Attach the PINCH ROLLER ARM ASSY by aligning the positions.*
3. *Attach the SUB DECK ASSY by aligning the positions.*
4. *Check that the parts below them are located in the correct positions.*
5. *Tighten the 2 screws.*
6. *Tighten the screw.*
7. *Attach the 2 SLIT WASHER parts.*

NOTE⑥



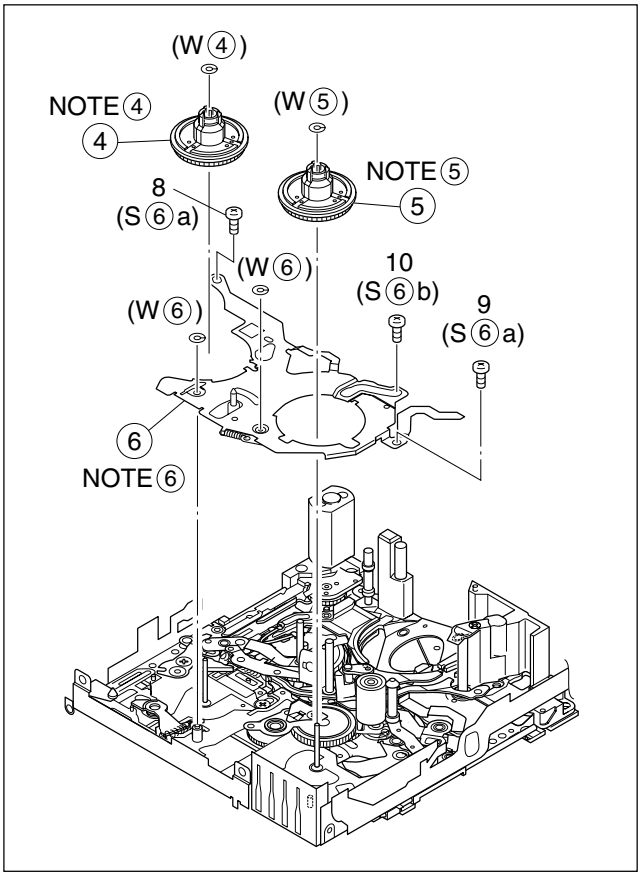
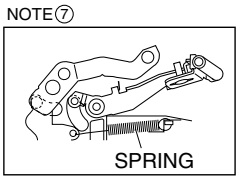




Fig. 2-4-5

4. ⑦ TENSION ARM ASSY
   ⑧ SLANT POLE ARM ASSY
   ⑨ TU ARM ASSY
   ⑩ SWING ARM ASSY

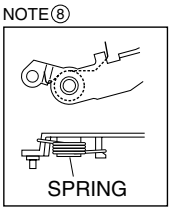
**NOTE⑦:**
*When detaching, remove the spring of the ⑫ PAD ARM ASSY in advance.*
*Pay attention to the attachment position.*

NOTE⑦



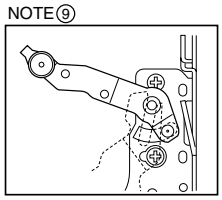

**NOTE⑧:**
*Be careful not to lose any parts (such as a spring).*

NOTE⑧



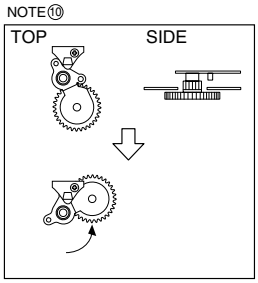

**NOTE⑨:**
*Pay attention to the mounting position.*

NOTE⑨



**NOTE⑩:**
*When detaching, remove the screw then remove the SWING ARM ASSY by pulling it up and turning it.*

NOTE⑩



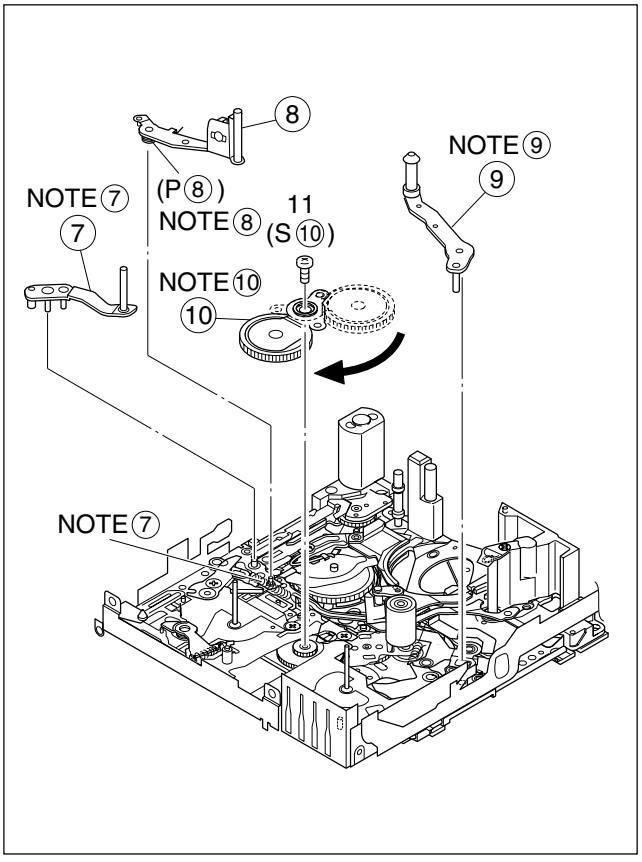



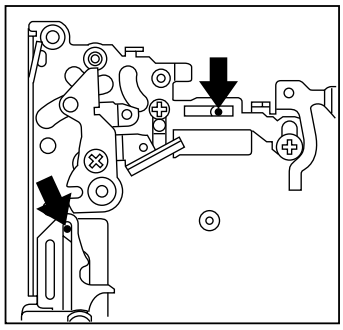

Fig. 2-4-6

5. ⑪ SLIDE DECK ASSY

**NOTE⑪a:**
*Each of the parts on the SLIDE DECK ASSY can be replaced separately.*
*When detaching the assembly, if there is no need to replace any of its parts, remove the SLIDE DECK ASSY as it is.*

**NOTE⑪b:**
*When mounting, pay attention to the positions of the ㉒ SLIDE LEVER (2) studs and the BRAKE CONTROL LEVER ASSY.*
*When mounting, position the CONTROL PLATE on the left side.*
*Pay attention to the position of the SLIDE GUIDE PLATE during mounting.*

NOTE⑪b



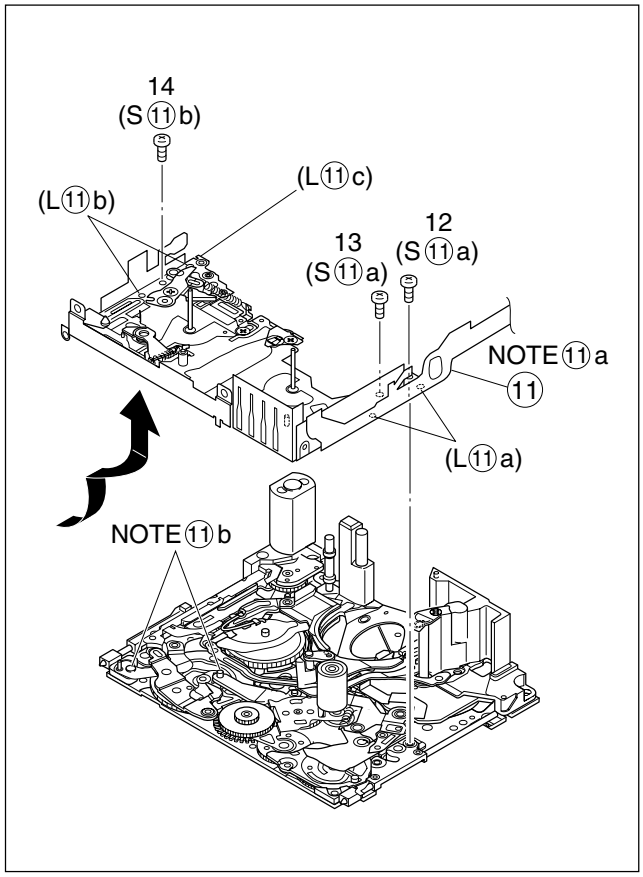


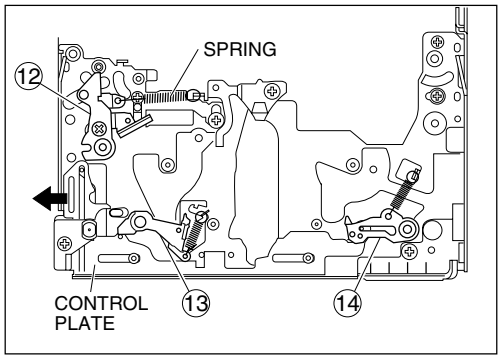

Fig. 2-4-7a

6. ⑫ PAD ARM ASSY
⑬ SUP BRAKE ASSY
⑭ TU BRAKE ASSY

**NOTE⑫:**
*The spring may have already been disengaged when the ⑧ SLANT POLE ARM ASSY was removed.*

**NOTES⑬/⑭:**
*When mounting, pay attention to the correct positioning.*
*Mount the CONTROL PLATE by moving it fully toward the left side.*

NOTE⑫⑬⑭



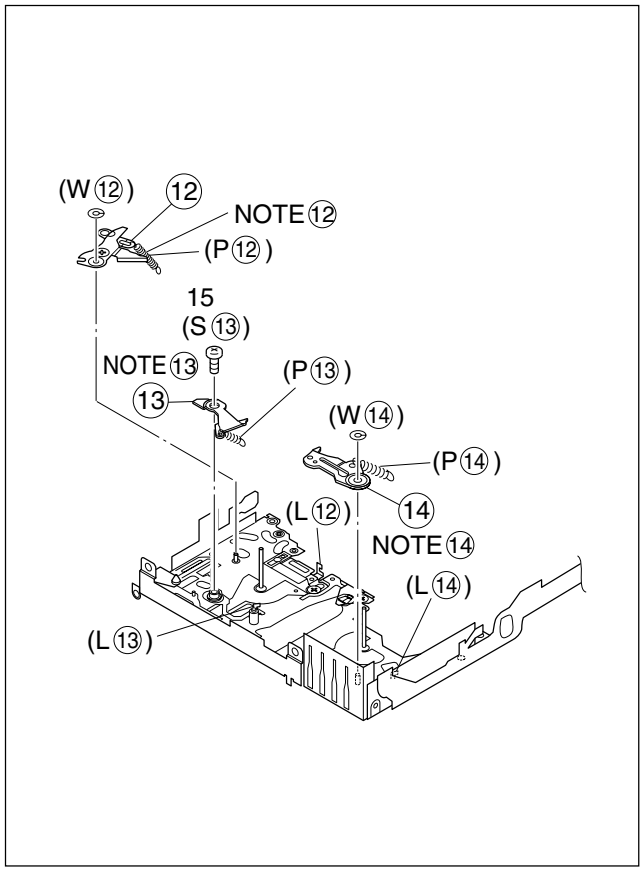
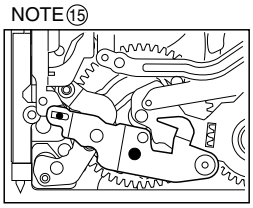




Fig. 2-4-7b

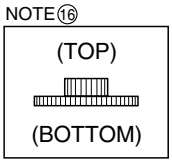
7. ⑮ TENSION CTL LEVER ASSY
   ⑯ CENTER GEAR
   ⑰ PINCH ROLLER ARM F. ASSY
   ⑱ TENSION CTL PLATE ASSY
   ⑲ BRAKE CTL LEVER ASSY

**NOTES⑮/⑯:**
*When mounting, pay attention to the correct positioning.*

NOTE⑮

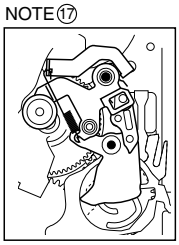


NOTE⑯



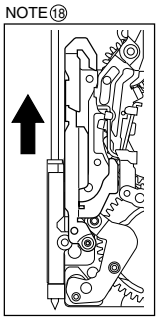

**NOTE⑰:**
*Take care against grease attachment during work.*

NOTE⑰

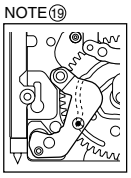


**NOTES⑱/⑲:**
*When mounting, pay attention to the correct positioning.*

NOTE⑱

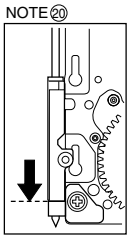


NOTE⑲



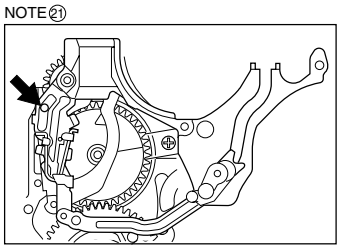
8. ⑳ MOTOR BRACKET ASSY
   ㉑ GUIDE RAIL ASSY
   ㉒ SLIDE LEVER 2 ASSY
   ㉓ LOADING PLATE ASSY
   ㉔ MODE GEAR
   ㉕ EJECT LEVER

NOTE⑳



**NOTE⑳:**
*When mounting, pay attention to the positioning of the sliding parts.*

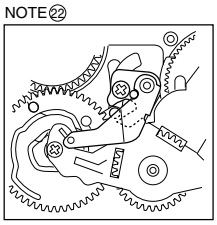
NOTE㉑



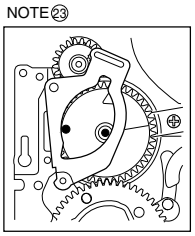
**NOTE㉑:**
*When mounting, take care that no part is allowed to float or rattle.*

**NOTES㉒/㉓/㉔/㉕:**
*When mounting, pay attention to the correct positioning.*

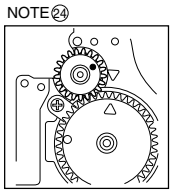
NOTE㉒



NOTE㉓



NOTE㉔



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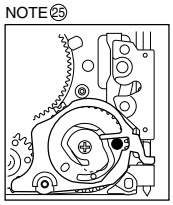


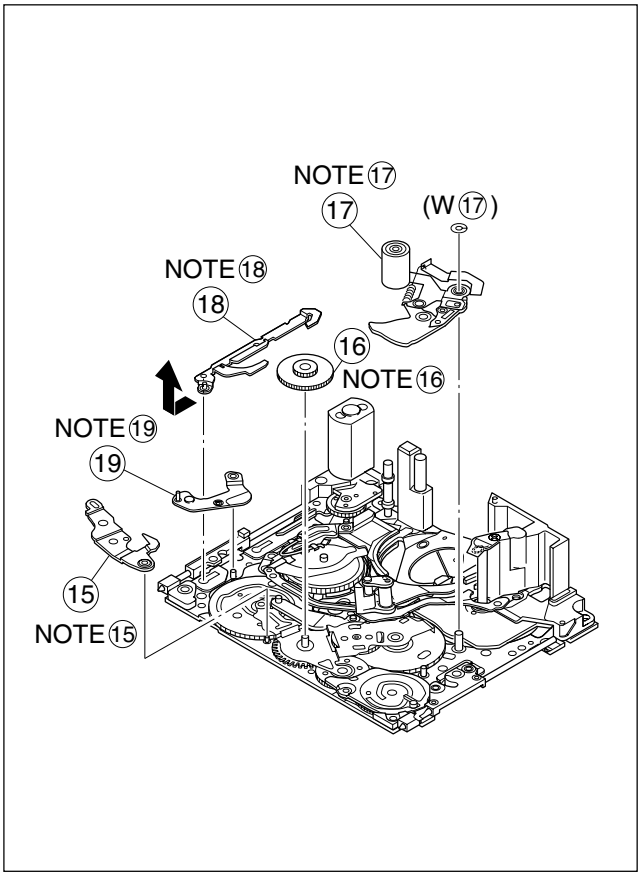



Fig. 2-4-8

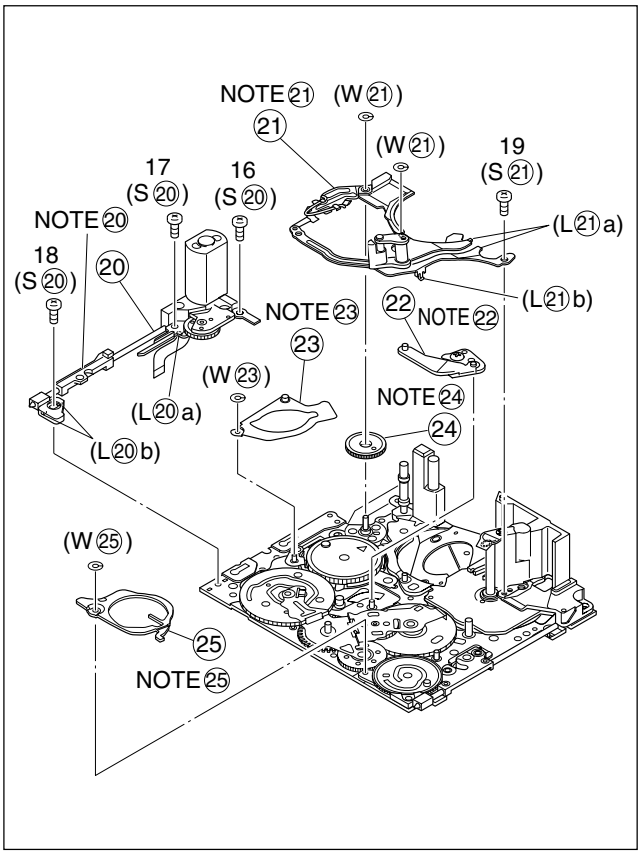
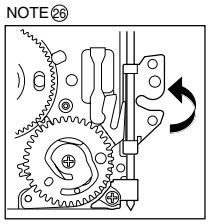


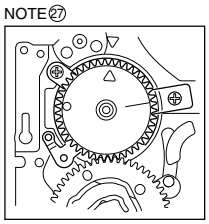

Fig. 2-4-9

9. ㉖ BASE R ASSY
㉗ ROTARY ENCODER
㉘ GEAR COVER ASSY
㉙ MAIN CAM ASSY

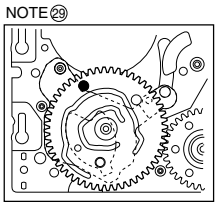
**NOTE㉖:**
When mounting, fold the sliding part to the inner side.




**NOTE㉗:**
When mounting, pay attention to the correct positioning and the FPC layout.




**NOTE㉙:**
When mounting, pay attention to the correct positioning.



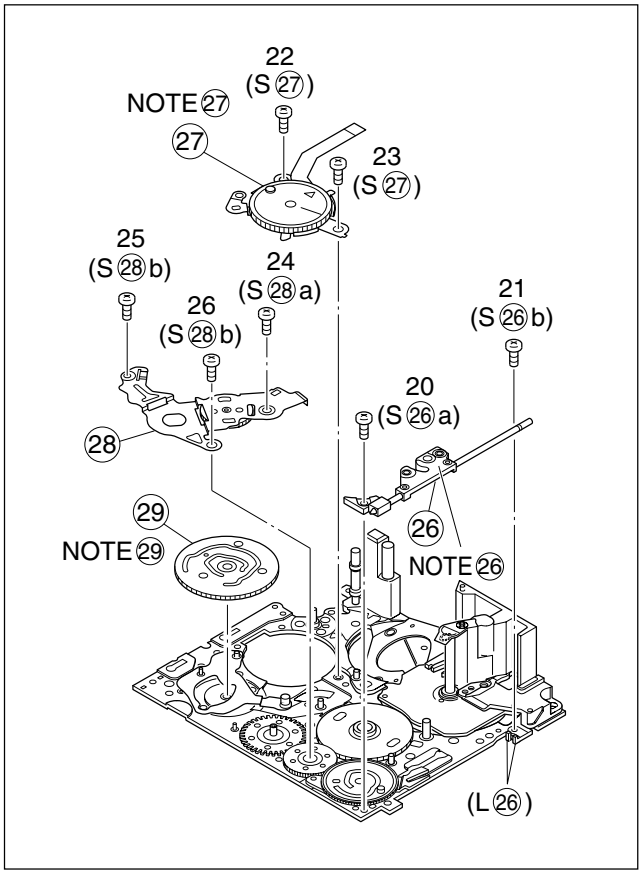
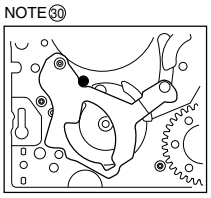



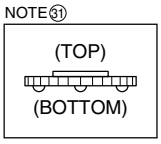

Fig. 2-4-10

10. ㉚ SLIDE ARM ASSY
㉛ CONNECT GEAR 2
㉜ SUB CAM ASSY
㉝ CONTROL ARM ASSY
㉞ REEL GEAR 1

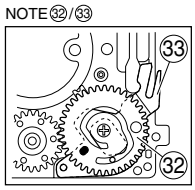
**NOTE㉚:**
*When mounting, pay attention to the correct positioning and the FPC layout.*

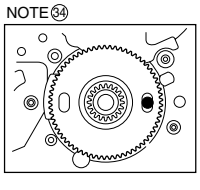



**NOTE㉛:**
*When mounting, pay attention to the position of the front and back.*




**NOTES㉜/㉝/㉞:**
*When mounting, pay attention to the correct positioning and the FPC layout.*



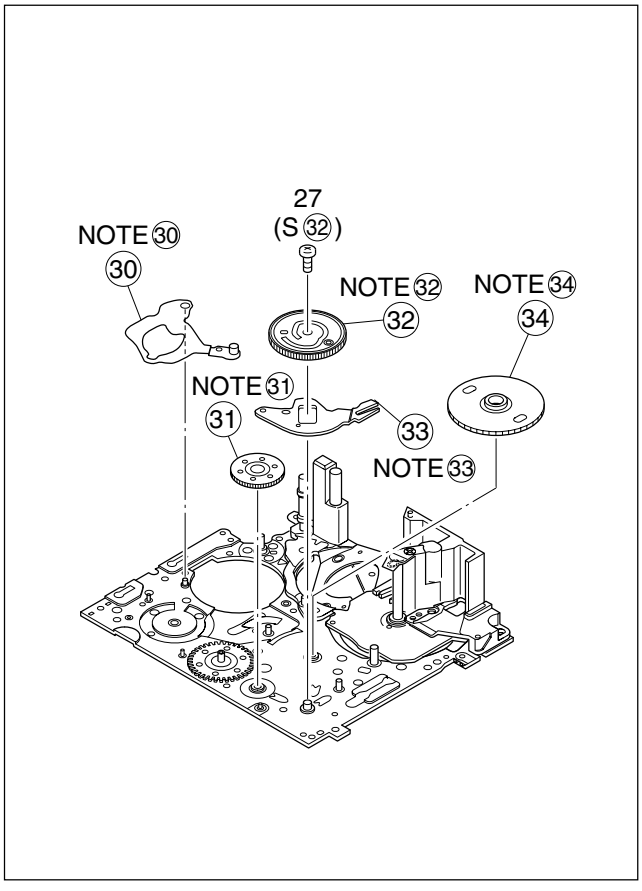
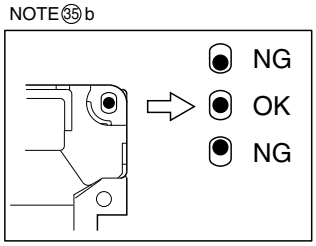




Fig. 2-4-11

11. ㉟ DRUM BASE ASSY
㊱ CAPSTAN MOTOR
㊲ MAIN DECK ASSY

**NOTES ㉟ a /㊱:**
*When detaching, remove them together and then separate ㊱ from ㉟a.*

**NOTE ㉟ b:**
*When mounting, attach the DRUM BASE ASSY so that the screw hole is located at the center of the ellipse.*



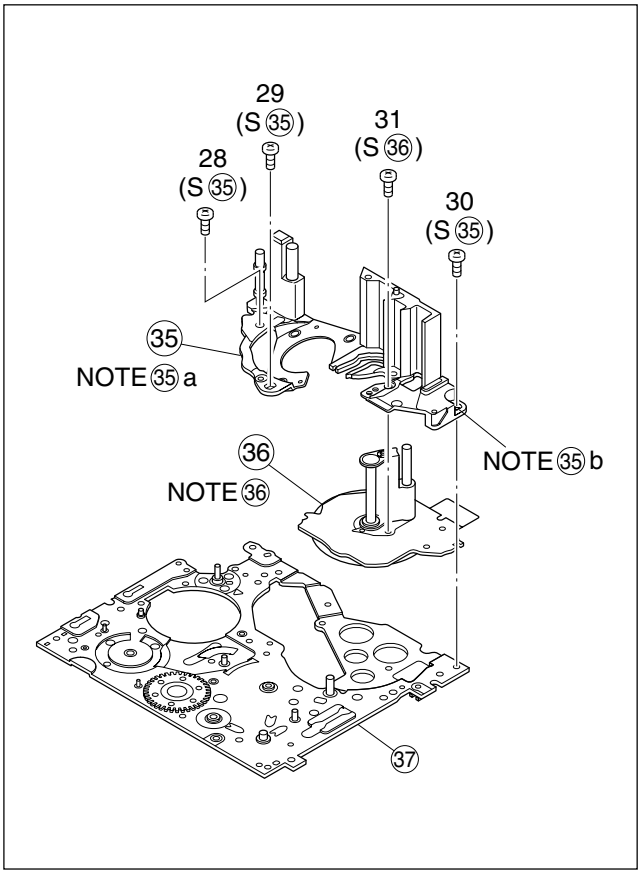




Fig. 2-4-12

(Z27 Ver.2)

### 2.4.2 List of procedures for disassembly

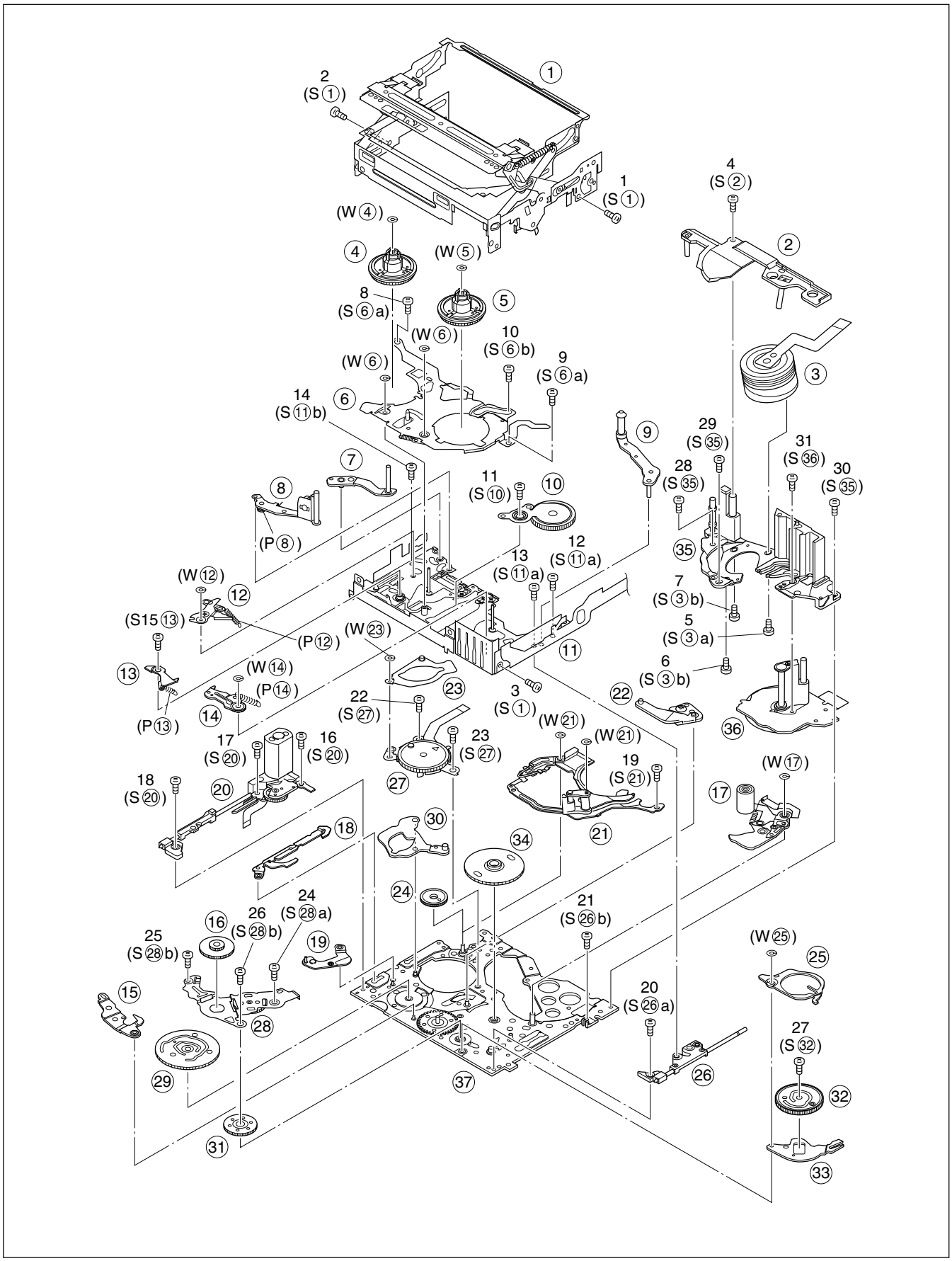
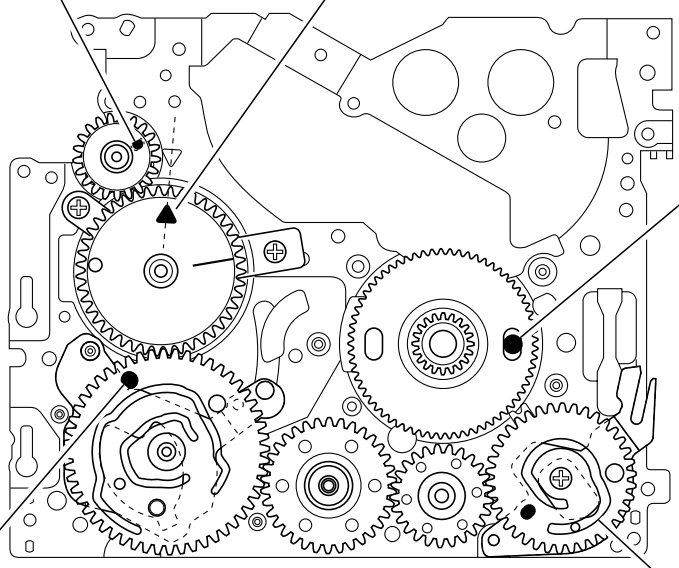



Fig. 2-4-13

## 2.5 CHECKUP AND ADJUSTMENT OF MECHANISM PHASE



**(24) MODE GEAR**
Align the MODE GEAR with the Main Deck Assembly hole.

**Note:**
The MODE GEAR may be displaced during the mechanism operation, however it can be checked from the rear and realigned during manual assembly.

**(27) ROTARY ENCODER**
Mount the ROTARY ENCODER by aligning its mark (△) and the mark (▽) of the Main Deck Assembly.

**Note:**
Be careful when handling the FPC during mounting.

**(34) REEL GEAR 1**
Align the REEL GEAR 1 with the Main Deck Assembly hole.

**Note:**
The REEL GEAR 1 may be displaced during mechanism operation, however this can be checked from the rear and realigned during manual assembly.

**(29) MAIN CAM ASSY/ (30) SLIDE ARM ASSY**
When mounting the SLIDE ARM ASSY align it with the Main Deck Assembly and MAIN CAM ASSY holes.

**Note:**
During the mounting procedure, make sure that the (32). SUB CAM ASSY is in the correct mounting position.

**(32) SUB CAM ASSY/ (33) CONTROL ARM ASSY**
Mount the SUB CAM ASSY hole to align with the CONTROL ARM ASSY and Main Deck Assembly holes and then tighten them all together with a screw.
The screw tightening torque should be 0.039 N•m (0.4 kgf•cm)

**Note:**
When mounting it, make sure that the (29) MAIN CAM ASSY is in the correct mounting position.

Fig. 2-5-1

## 2.6 MECHANISM ADJUSTMENTS

### 2.6.1 Adjustment of the slide guide plate

Use Fig. 2-6-1 as the reference unless otherwise specified.

1. Set the PLAY mode.
   See Fig. 2-3-8.
2. Loosen the screws (Ⓐ,Ⓑ).
3. With the Main Deck and Slide Deck Assemblies pushed into the unit, tighten the screws (Ⓐ,Ⓑ) while applying pressure to the stud (shaft) on the Slide Guide plate.
   The pressure applied should be enough to enable utilization of the rebounding force of the springs.
   The tightening torque should be 0.069 N•m (0.7 kgf•cm).
4. Check the operation.
   Repeat unloading and loading several times and make sure that these operations can be performed smoothly without producing rattles.

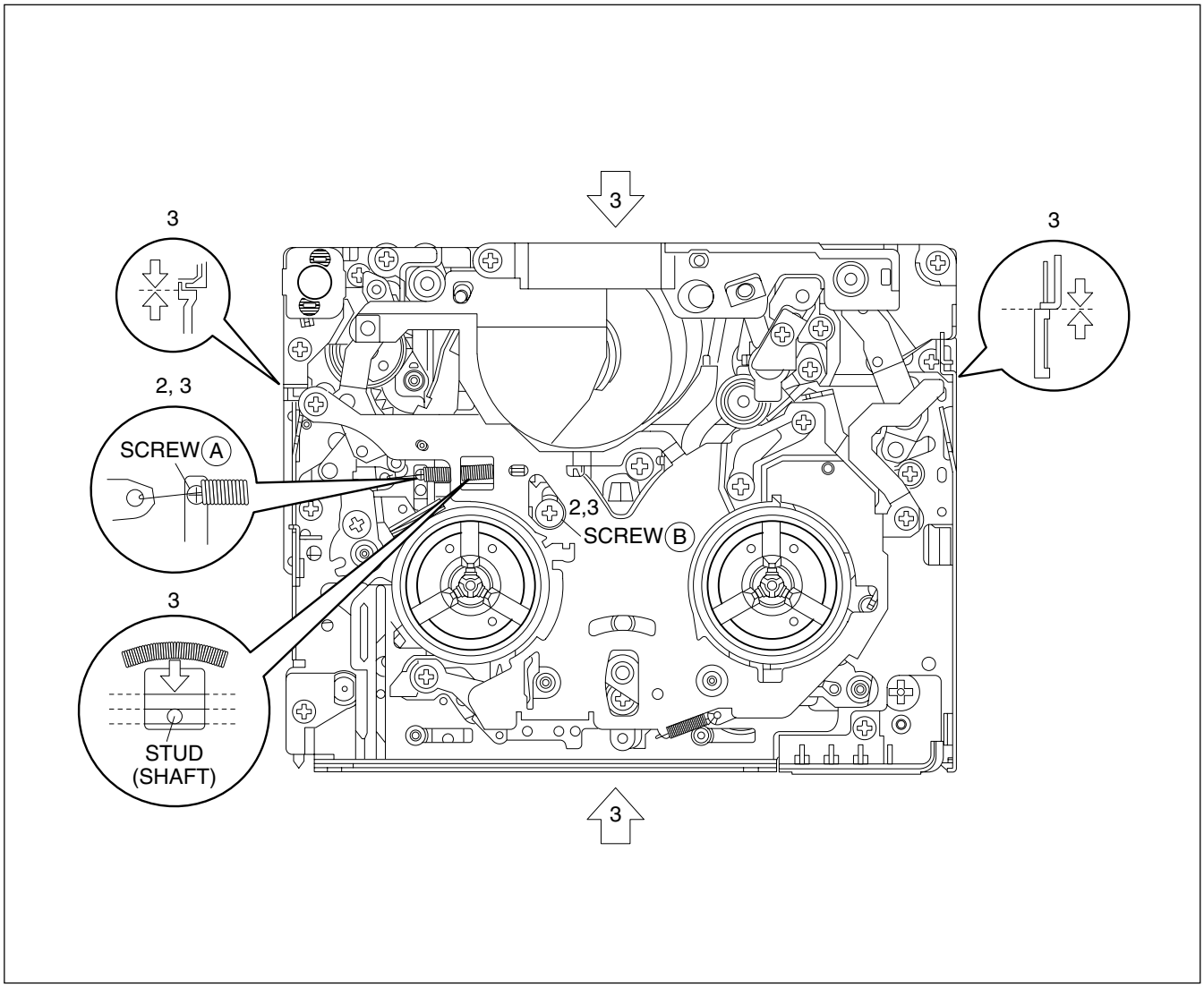



Fig. 2-6-1

### 2.6.2 Adjustment of the Tension Arm and Pad Arm Assemblies

Use Fig. 2-6-2 as the reference unless otherwise specified.

1. Set the PLAY mode.
   Se Fig. 2-3-8.
2. Loosen the screw Ⓐ.
3. With the take-up side at the bottom, align the extreme end of the Tension Arm Assembly with the crossed grooves on the screw Ⓑ that retains the Loading Motor Assembly and then tighten the screw Ⓐ.
   The tightening torque should be 0.069 N•m (0.7 kgf•cm).
4. Check the operation.
   Repeat unloading and loading several times and make sure that the Tension Arm Assembly is located within the normal range.

   **Note :** *With the above checking method, a Torque Meter is not used.*
   *When a Torque meter is used, the following are the reference values:*

   Back Tension : 2.0 to 6.0 g•cm
   Play Torque : 8.3 to 12.5 g•cm

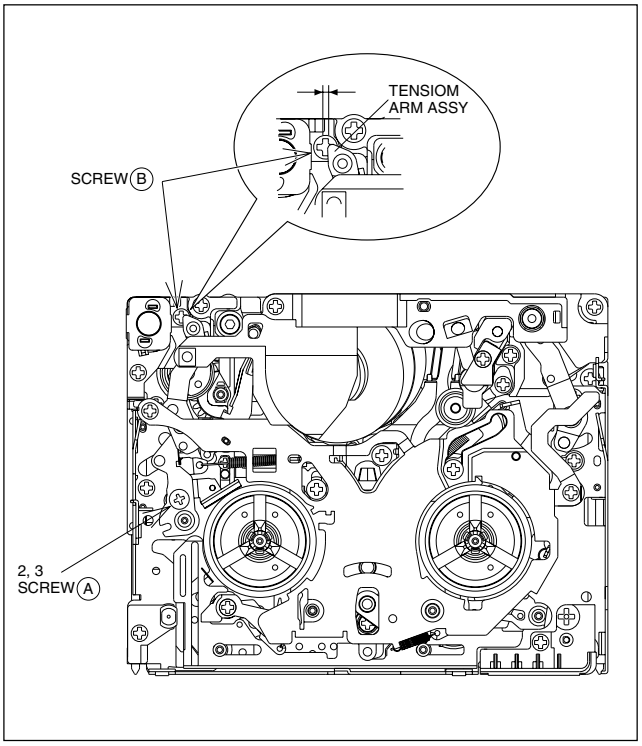



Fig. 2-6-2

### 2.6.3 Adjustment of the Slide Lever 2

Use Fig. 2-6-3 as the reference unless otherwise specified.

1. Set the C IN mode.
   See Fig. 2-3-4.
2. Loosen the screw Ⓐ.
3. Set the Main Deck and Slide Deck Assemblies apart so that they do not rattle, then tighten the screw Ⓐ by screwing it fully toward the Drum Assembly.
   The tightening torque should be 0.069 N•m (0.7 kgf•cm).
4. Check the operation.
   Repeat unloading and loading several times and make sure that these operations can be performed smoothly without producing rattles.

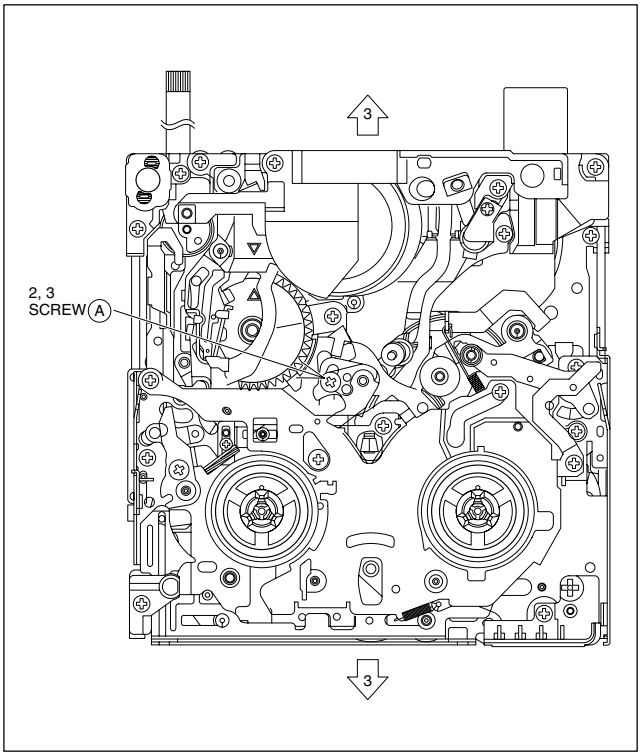



Fig. 2-6-3

## 2.7 JIG CONNECTOR CABLE CONNECTION

Remove one screw (1) first and the cover (JIG) next.

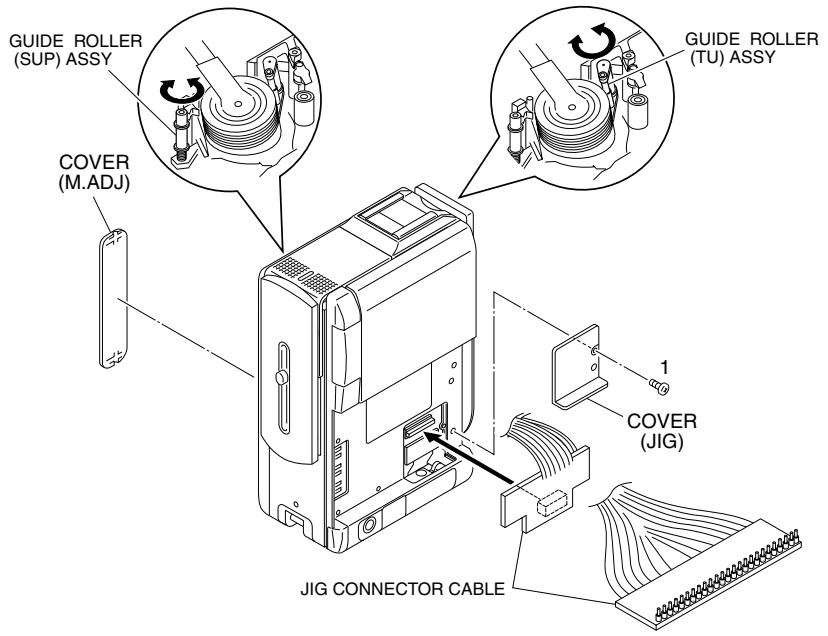



Fig. 2-7-1

MAIN
CN114

| | | |
|---|---|---|
| VF_RPD | 40 | |
| CVF_G | | 20 |
| CVF_R | 39 | |
| CVF_B | | 19 |
| VF_COM | 38 | |
| MT_RPD | | 18 |
| MT_G | 37 | |
| MT_R | | 17 |
| MT_B | 36 | |
| MT_COMCS | | 16 |
| MT_PSIG | 35 | |
| GND | | 15 |
| GND | 34 | |
| MONI_CHG | | 14 |
| SBE | 33 | |
| SPA | | 13 |
| FRP | 32 | |
| FS_PLL | | 12 |
| DISCRI | 31 | |
| HID1 | | 11 |
| ATFI | 30 | |
| MAIN_VCO | | 10 |
| ENV_OUT | 29 | |
| PB_CLK | | 9 |
| TRST | 28 | |
| TCMK | | 8 |
| TMS | 27 | |
| TDO | | 7 |
| TDI | 26 | |
| JLIP_RX | | 6 |
| JLIP_TX | 25 | |
| IF_TX | | 5 |
| AL_3VSYS | 24 | |
| RST | | 4 |
| VPPC | 23 | |
| SRV_RX | | 3 |
| SRV_TX | 22 | |
| REG_3V | | 2 |
| DRST | 21 | |
| VPPD | | 1 |

JIG CONN. BOARD
(PIN NO.)

| | |
|---|---|
| 40 | VF_RPD |
| 39 | CVF_R |
| 38 | VF_COM |
| 37 | MT_G |
| 36 | MT_B |
| 35 | MT_PSIG |
| 33 | SBE |
| 32 | FRP |
| 31 | DISCRI |
| 30 | ATFI |
| 29 | ENV_OUT |
| 28 | TRST |
| 27 | TMS |
| 26 | TDI |
| 25 | JLIP_TX |
| 20 | CVF_G |
| 19 | CVF_B |
| 18 | MT_RPD |
| 17 | MT_R |
| 16 | MT_COMCS |
| 15 | GND |
| 14 | MONI_CHG |
| 13 | SPA |
| 12 | FS_PLL |
| 11 | HID1 |
| 10 | MAIN_VCO |
| 9 | PB_CLK |
| 8 | TCMK |
| 7 | TDO |
| 6 | JLIP_RX |

**NOTE)**

*The JIG connector board uses 30 of the 40 pins of CN114 on the Main board.*

*Pins 1 to 5, 21 to 24 and 34 of CN114 on the Main board are not used.*

Fig. 2-7-2

## 2.8 SERVICE NOTE

Use the following chart to manage mechanism parts that are removed for disassembling the mechanism.

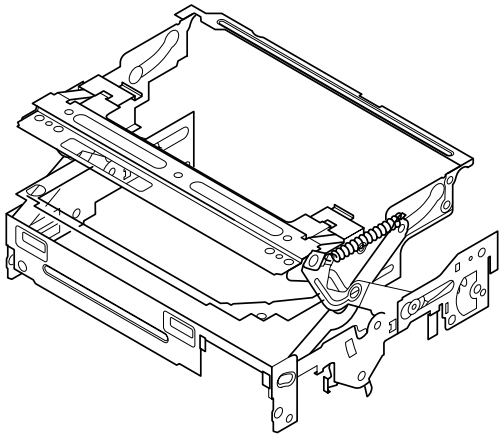
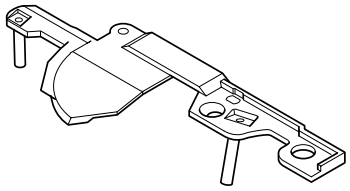
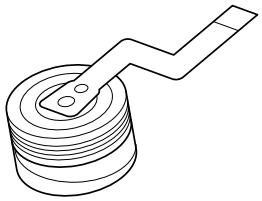
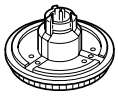
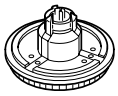
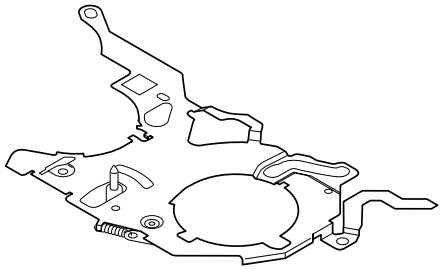
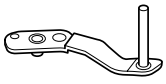
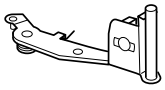
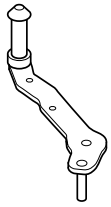
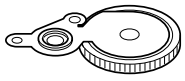
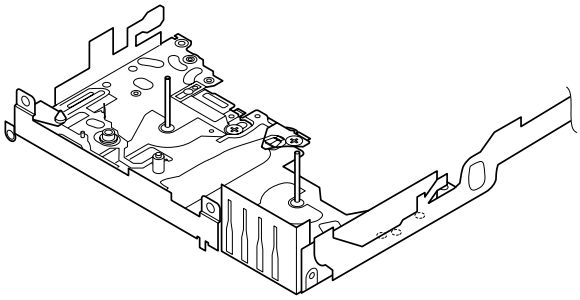
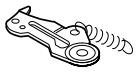
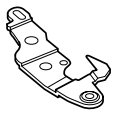
| Fig. | | Fig. | | |
|---|---|---|---|---|
| 2-14-3 | ① CASSETTE HOUSING ASSY  | 2-14-4 | ② UPPER BASE ASSY  | |
| 2-14-4 | ③ DRUM ASSY  | 2-14-5 | ④ REEL DISK ASSY(SUP)  <br>⑤ REEL DISK ASSY(TU)  | ⑥ REEL COVER ASSY  |
| 2-14-6 | ⑦ TENSION ARM ASSY  | ⑧ SLANT POLE ARM ASSY  | ⑨ TU ARM ASSY  | ⑩ SWING ARM ASSY  |
| 2-14-7a | ⑪ SLIDE DECK ASSY  | 2-14-7b | ⑫ PAD ARM ASSY | ⑬ SUP BRAKE ASSY ⑭ TU BRAKE ASSY  |

Table 2-8-1a

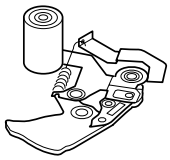
Fig. 2-4-8

15 TENSION CTL LEVER ASSY

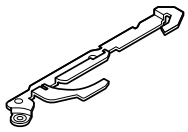


16 CENTER GEAR

17 PINCH ROLLER ARM F. ASSY



18 TENSION CTL PLATE ASSY



19 BRAKE CTL LEVER ASSY

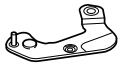
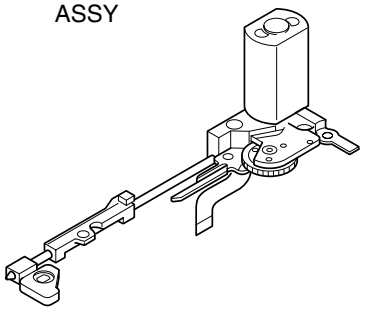
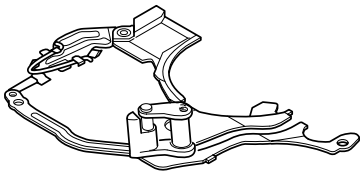


Fig. 2-4-9

20 MOTOR BRACKET ASSY



21 GUIDE RAIL ASSY



22 SLIDE LEVER 2 ASSY

23 LOADING PLATE ASSY

24 MODE GEAR

25 EJECT LEVER

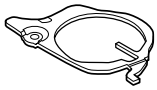
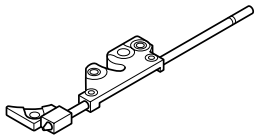
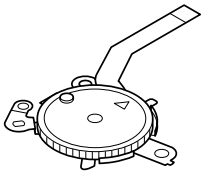


Fig. 2-4-10

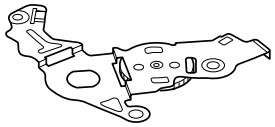
26 BASE R ASSY



27 ROTARY ENCODER



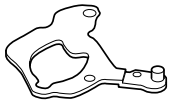
28 GEAR COVER ASSY



29 MAIN CAM ASSY

Fig. 2-4-11

30 SLIDE ARM ASSY



31 CONNECT GEAR 2

32 SUB CAM ASSY

33 CONTROL ARM ASSY

34 REEL GEAR 1

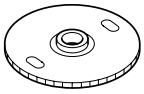
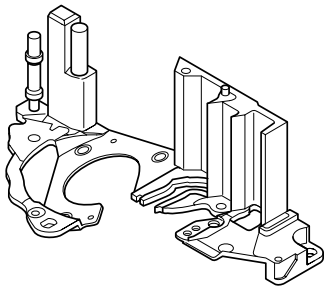
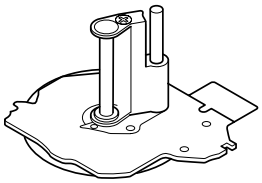


Fig. 2-4-12

35 DRUM BASE ASSY



36 CAPSTAN MOTOR



37 MAIN DECK ASSY

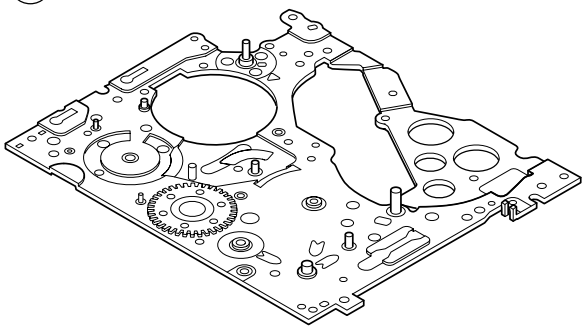


Table 2-8-1b

# SECTION 3
# ELECTRICAL ADJUSTMENT

## 3.1 PRECAUTION

### 1. Precaution

Both the camera and deck sections of this model needs a personal computer for adjustment except simple adjustment with potentiometers. If some of the following parts is replaced for repair or other reason, the repaired set must be adjusted with a personal computer.

- OP block
- $E^2$PROM (IC1003 of MAIN board)

In the event of malfunction with electrical circuits, trouble-shooting with the aid of proper test instruments most be done first, and then commence necessary repair, replacement and adjustment, etc.

1. In case of wiring to chip test points for measurement, use IC clips, etc. to avoid any stress.
2. Since connectors are fragile, carefully handle them in dis-connecting and connecting.
3. Shortcircuit between operation un it and DECK chassis.

### 2. Required test equipment

1. Color TV monitor.
2. AC power adapter/charger
3. Oscilloscope (dual-trace type, observable 100 MHz or higher frequency)

**Note** : *It is recommended to use one observable 300 MHz or higher frequency.*

4. Digital voltmeter
5. Frequency counter (with threshold level adjuster)
6. Personal computer

### 3. Tools required for adjustments

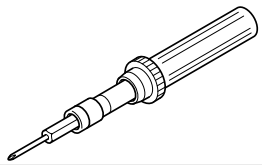
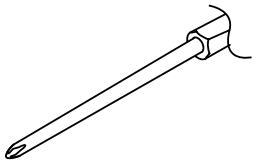
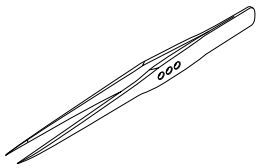
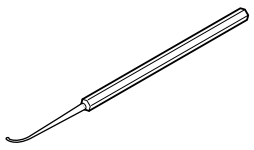
| | |
|---|---|
| 1 Torque Driver YTU94088 | 2 Bit YTU94088-003 |
|  |  |
| 3 Tweezers P-895 | 4 Chip IC Replacement Jig PTS40844-2 |
|  |  |

Table 3-1-1a

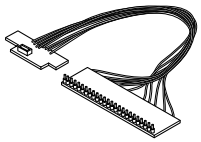
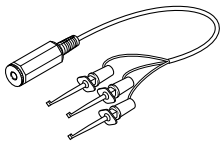
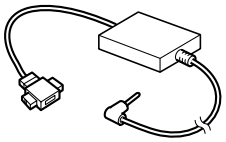
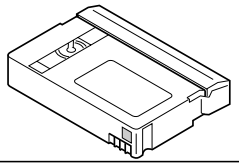
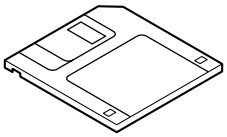
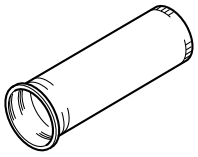
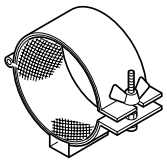
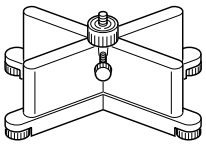
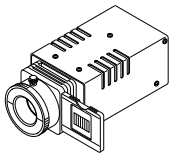
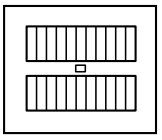
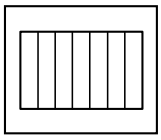
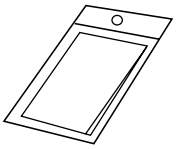
| | |
|---|---|
| 5 Jig Connector Cable YTU93106C | 6 Communication Cable YTU93107A |
|  |  |
| 7 PC Cable QAM0099-002 | 8 Alignment Tape MC-1 |
|  |  |
| 9 Service Support System YTU94057-54 | 10 INF Adjustment Lens YTU92001B |
|  |  |
| 11 INF Adjustment Lens Holder YTU94087 | 12 Camera Stand YTU93079 |
|  |  |
| 13 Light box Assembly YTU93096A | 14 Gray Scale Chart YTU94133A |
|  |  |
| 15 Color Bar Chart YTU94133C | 16 Cleaning Cloth KSMM-01 |
|  |  |

Table 3-1-1b

1. **Torque driver**
   Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.
2. **Bit**
   This bit is slightly longer than those set in conventional torque drivers.
3. **Tweezers**
   To be used for removing and installing parts and wires.
4. **Chip IC replacement jig**
   To be used for adjustment of the camera system.
5. **Jig connector cable**
   Connected to CN114 of the main board and used for electrical adjustment, etc.
6. **Communication Cable**
   Connect the Communication cable between the PC cable and Jig connector cable when performing a PC adjustment.
7. **PC cable**
   To be used to connect the VideoMovie and a personal computer with each other when a personal computer is used for adjustment.
8. **Alignment tape**
   To be used for check and adjustment of interchangeability of the mechanism.
9. **Service support system**
   To be used for adjustment with a personal computer.
10. **INF adjustment lens**
    To be used for adjustment of the camera system.
11. **INF adjustment lens holder**
    To be used together with the camera stand for operating the VideoMovie in the stripped-down condition such as the status without the exterior parts or for using commodities that are not yet conformable to the interchangeable ring.
12. **Camera stand**
    To be used together with the INF adjustment lens holder.
13. **Light box assembly**
    To be used for adjustment of the camera system.
14. **Gray scale chart (for Light box assembly)**
    To be used for adjustment of the camera system.
15. **Color bar chart (for Light box assembly)**
    To be used for adjustment of the camera system.
16. **Cleaning Cloth**
    Recommended cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.

### 3.2 SETUP

1. Setup for electrical adjustment with personal computer.

   **NOTE:** *Remove one screw (1) first and the cover (JIG) next.*

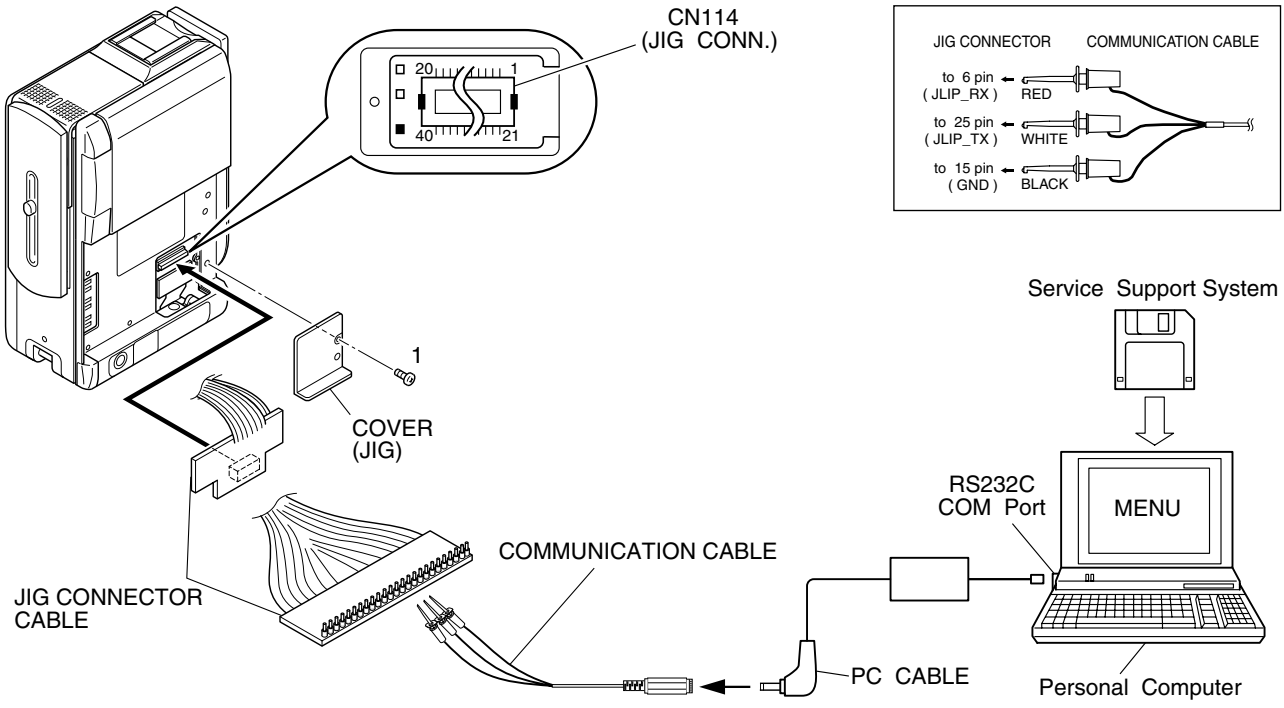



Fig. 3-2-1 Connection for Service support system

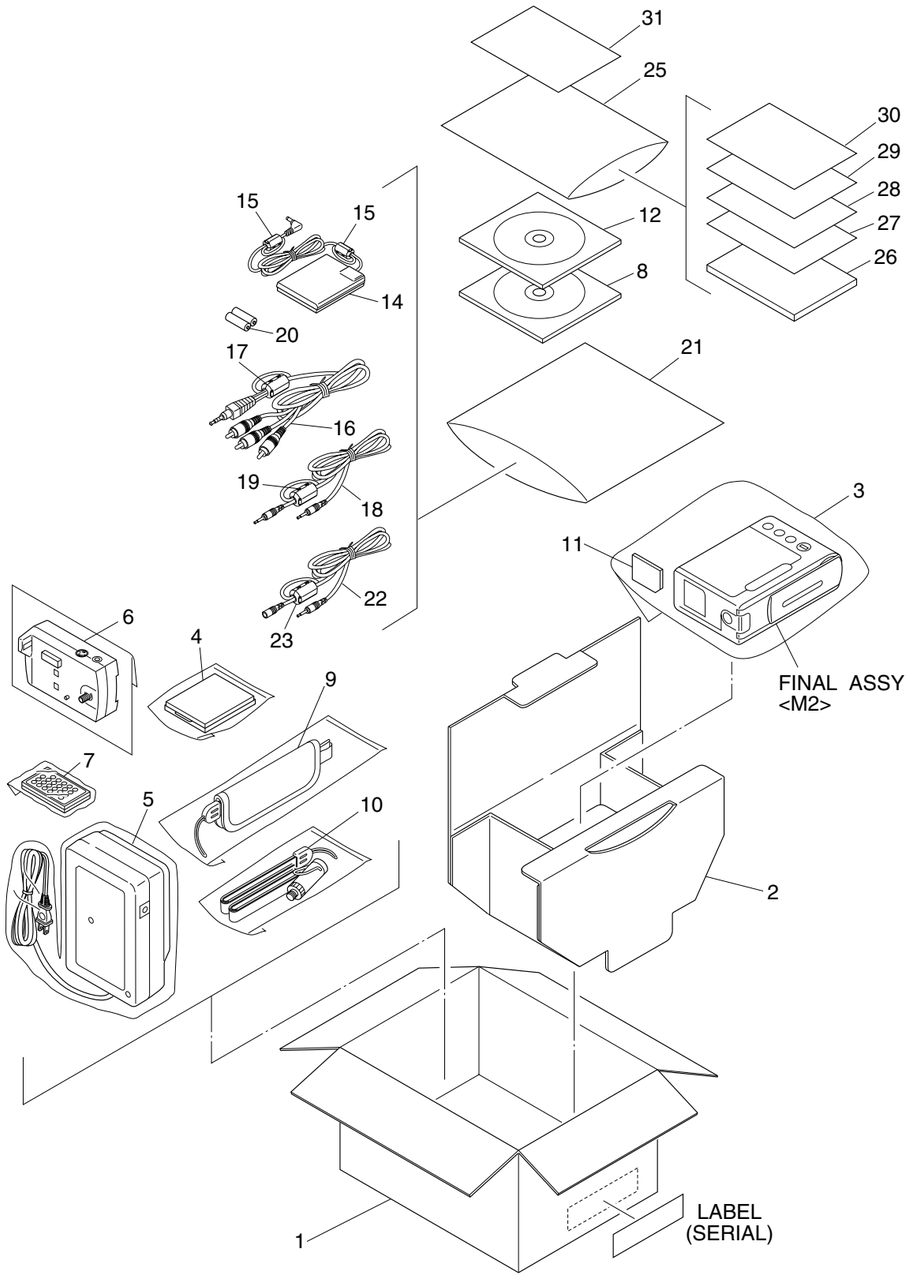
# SECTION 5
# PARTS LIST

## SAFETY PRECAUTION

**Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.**

### 5.1 PACKING AND ACCESSORY ASSEMBLY <M1>

**The instruction manual to be provided with this product will differ according to the destination.**




| # | ⚠ | REF No. | PART No. | PART NAME, DESCRIPTION |
|---|---|---|---|---|

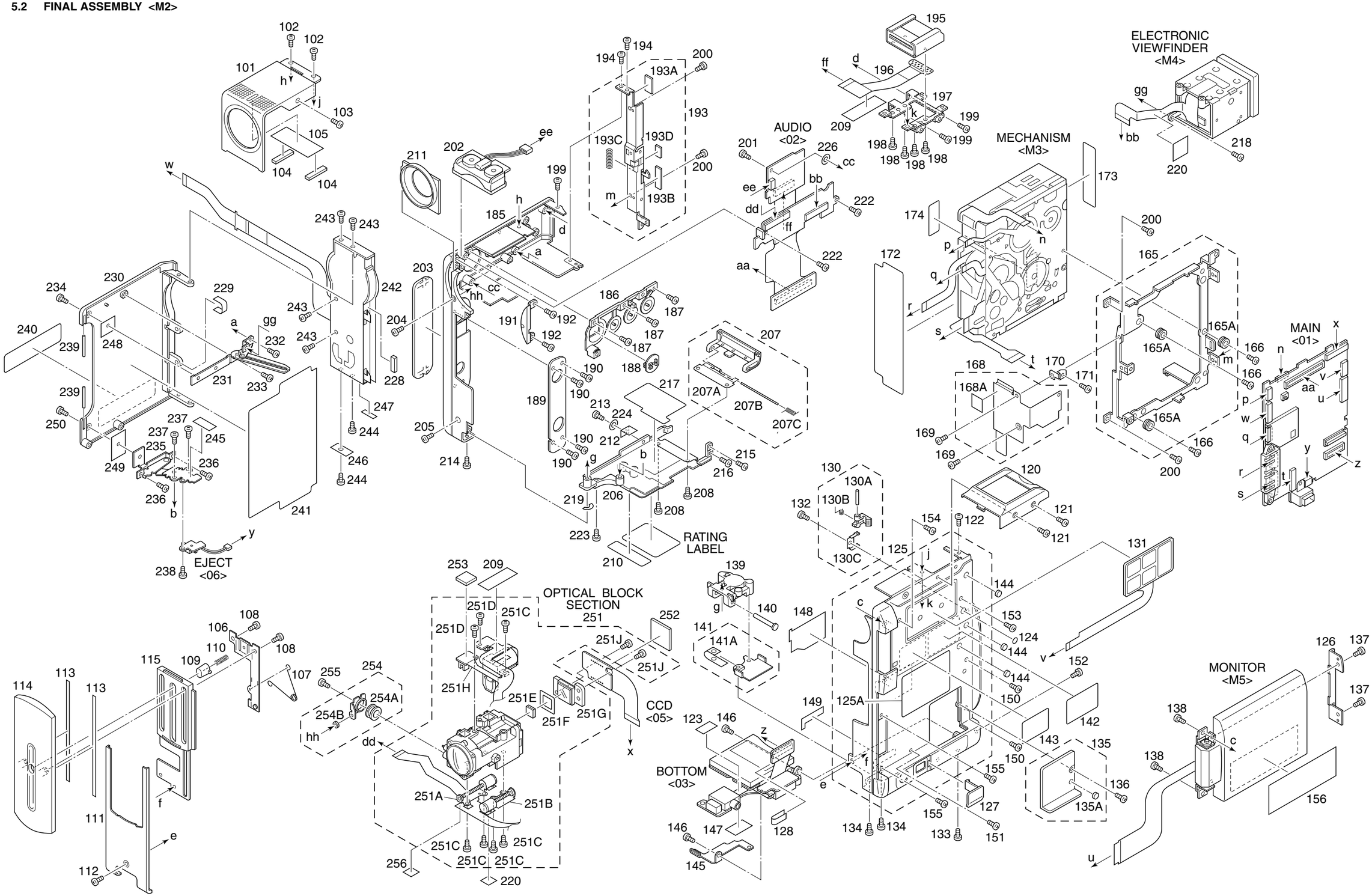
**********

**PACKING AND ACCESSORY ASSEMBLY <M1>**

| | | | |
|---|---|---|---|
| | 1 | LY32275-001A | PACKING CASE |
| | 2 | LY20763-001A | CUSHION |
| | 3 | LY30023-003A | POLY BAG |
| ⚠ | 4 | LY32203-001A | BATTERY PACK,BN-V107U |
| ⚠ | 5 | LY20754-001B | AC POWER ADAPTER/CHARGER,AA-V100U |
| | 6 | LY20755-001B | DOCKING STATION,CU-V507U |
| | 7 | LY20750-001A | REMOTE CONTROL UNIT,RM-V717U |
| | 8 | LY32210-004A | CD ROM |
| | 9 | LY20762-001B | GRIP BELT |
| | 10 | LY20765-001B | STRAP |
| | 11 | QAM0342-002 | MEMORY CARD |
| | 12 | LY32210-009A | CD ROM |
| | 14 | LY32226-001A | DC CORD |
| | 15 | QQR0491-002 | CORE FILTER,X2 |
| | 16 | QAM0346-001 | CABLE ASSY,AUDIO/VIDEO CABLE |
| | 17 | QQR0918-002 | CORE FILTER |
| | 18 | PEAC0428-150 | CABLE ASSY,EDITING CABLE |
| | 19 | QQR0491-002 | CORE FILTER |
| | 20 | – | BATTERY,AAA(R03),X2 |
| | 21 | QPA01703005 | POLY BAG |
| | 22 | QAM0213-001 | AUDIO CABLE |
| | 23 | QQR1081-002 | CORE FILTER |
| | 25 | QPA02003006 | POLY BAG |
| ⚠ | 26 | LYT0795-001A | INST.BOOK(EN) |
| ⚠ | | LYT0795-002A | INST.BOOK(FR) |
| ⚠ | | LYT0795-003A | INST.BOOK(SP) |
| ⚠ | 27 | LYT0738-001C | INST.BOOK(SOFT.3LANG) |
| | 28 | LYT0378-003A | SHEET(AGREMENT) |
| | 29 | YU10350 | Q.CARD(JCA) |
| | 30 | BT-51005-4 | WARRANTY INF. |
| | 31 | BT-51020-2 | REGIST.CARD |

• INSTRUCTIONS
EN ..... ENGLISH
FR ..... FRENCH
SP ..... SPANISH

## 5.2 FINAL ASSEMBLY <M2>



| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION |
|---|---|---|

**********

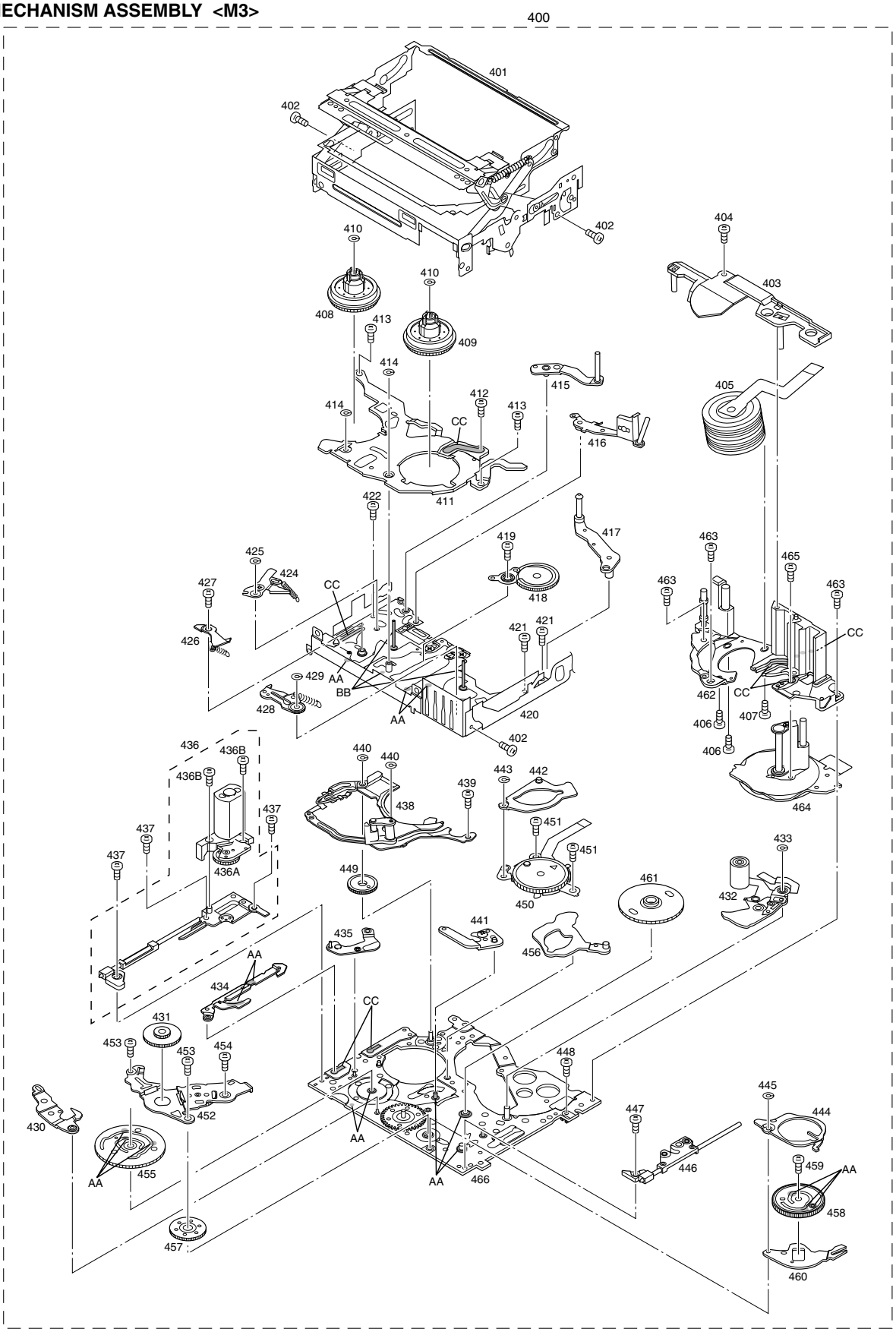
## FINAL ASSEMBLY <M2>

| | | |
|---|---|---|
| 101 | LY20759-001A | COVER(MIC) |
| 102 | LY30018-0A3A | SPECIAL SCREW,X2 |
| 103 | LY30018-0A2A | SPECIAL SCREW |
| 104 | LY30029-0L7A | SPACER(A),X2 |
| 105 | LY43164-001A | SHEET(MIC) |
| 106 | LY43106-001B | S.PLATE(B)ASSY |
| 107 | LY43063-001A | TORSION SPRING |
| 108 | LY30018-0D2A | SPECIAL SCREW,X2 |
| 109 | LY32260-001C | KNOB(SHUTTER) |
| 110 | LY30002-022A | COMPRESSION SPRING |
| 111 | LY32228-001B | COVER(UNDER) |
| 112 | LY30018-0A2A | SPECIAL SCREW |
| 113 | LY30029-0P1A | SPACER(A),X2 |
| 114 | LY43102-001C | COVER(SHUT)ASSY |
| 115 | LY43104-001C | GUIDE(SHUT)ASSY |
| 120 | LY32246-001A | COVER(SHOE) |
| 121 | LY30018-0A2A | SPECIAL SCREW,X2 |
| 122 | LY30018-055A | SPECIAL SCREW |
| 123 | LY30029-0M4A | SPACER(A) |
| 124 | LY43196-001A | SHEET(UPEER) |
| 125 | LY32292-001C | UPPER CASE ASSY |
| 125A | LY43210-002A | LABEL(UPPER) |
| 126 | LY32265-001C | GUIDE(MONI) |
| 127 | LY43126-001C | J.COVER(DV)ASSY |
| 128 | LY30029-0P7A | SPACER(A) |
| 130 | LY43064-001B | KNOB(LOCK) ASSY |
| 130A | LY43081-001A | SHAFT(LOCK) |
| 130B | LY43080-001A | TOR.SPRING(LOCK) |
| 130C | LY43079-001A | BRACKET(LOCK) |
| 131 | LY32198-001A | SUB OPE |
| 132 | LY30018-081A | SPECIAL SCREW |
| 133 | LY30018-063A | SPECIAL SCREW |
| 134 | LY30018-092A | SPECIAL SCREW,X2 |
| 135 | LY43134-001A | COVER(JIG)ASSY |
| 135A | LY42350-002A | FOOT |
| 136 | LY30018-055A | SPECIAL SCREW |
| 137 | LY30018-031A | SPECIAL SCREW,X2 |
| 138 | LY30018-099A | SPECIAL SCREW,X2 |
| 139 | LY32253-001B | BASE |
| 140 | LY43107-001A | SHAFT |
| 141 | LY43224-001A | SPACER(BASE)ASSY |
| 141A | LY43221-001A | S.SHEET(S.BASE) |
| 142 | LY41701-004A | SHEET(CAUTION)1 |
| 143 | LY42163-002B | SHEET(CAUTION)2 |
| 144 | LY42350-001A | FOOT,X3 |
| 145 | LY32254-001A | BRACKET(BOTTOM) |
| 146 | LY30018-0C3A | SPECIAL SCREW,X2 |
| 147 | LY30029-0K6A | SPACER(A) |
| 148 | LY43176-001A | SHEET(UPPER)1 |
| 149 | LY43177-001A | SHEET(UPPER)2 |
| 150 | LY30018-055A | SPECIAL SCREW,X2 |
| 151 | LY30018-055A | SPECIAL SCREW |
| 152 | LY30018-065A | SPECIAL SCREW |
| 153 | LY30018-055A | SPECIAL SCREW |
| 154 | LY30018-019A | SPECIAL SCREW |
| 155 | LY30018-0D5A | SPECIAL SCREW,X2 |
| 156 | LY43127-003A | STICKER(MONI.) |
| 165 | LY43074-001A | BRACKET(MECHA)ASSY |
| 165A | LY42796-001A | BUSH,X3 |
| 166 | LY30019-028A | SPECIAL SCREW,X3 |
| 168 | LY43190-001A | SHIELD ASSY |
| 168A | LY42189-001A | SPACER |
| 169 | LY30018-005A | SPECIAL SCREW,X2 |
| 170 | LY43083-001A | BRACKET(PRE-REC) |
| 171 | QYSPSPT1414M | SCREW |
| 172 | LY43159-001B | SHEET(SHUTTER) |
| 173 | LY32001-002A | LABEL(HOUSING) |
| 174 | LY40699-002A | LABEL(PUSH) |
| 185 | LY20756-001B | LOWER CASE |
| 186 | LY32239-001B | BUTTON(FUNC.) |
| 187 | LY30018-065A | SPECIAL SCREW,X3 |
| 188 | LY43056-001B | KNOB(FUNC.) |
| 189 | LY43114-001A | PLATE(C.C.HINGE) |
| 190 | LY30018-081A | SPECIAL SCREW,X4 |
| 191 | LY43125-001A | WINDOW(W/B)ASSY |
| 192 | LY30018-065A | SPECIAL SCREW,X2 |
| 193 | LY32280-001C | BATTERY LOCK ASSY |
| 193A | LY30029-0K9A | SPACER(A) |
| 193B | LY30029-0N1A | SPACER(A) |
| 193C | LY30002-038A | COMPRESSION SPRING |
| 193D | LY30029-0M9A | SPACER(A) |
| 194 | LY30018-031A | SPECIAL SCREW,X2 |
| 195 | LY31998-002A | HOT SHOE |
| 196 | QAL0336-001 | FPC,AUDIO CN202-HOT SHOE |
| 197 | LY32262-001A | BRACKET(H.S) |
| 198 | LY30018-081A | SPECIAL SCREW,X4 |
| 199 | LY30018-081A | SPECIAL SCREW,X3 |
| 200 | LY30018-055A | SPECIAL SCREW,X4 |
| 201 | LY30018-065A | SPECIAL SCREW |
| 202 | LY32197-001C | MICROPHONE |
| 203 | LY32247-001A | COVER(M.ADJ) |
| 204 | LY30018-065A | SPECIAL SCREW |
| 205 | LY30018-055A | SPECIAL SCREW |
| 206 | LY20760-001B | BOTTOM COVER |
| 207 | LY32279-001B | COVER(SD)ASSY |
| 207A | LY32242-001B | BRACKET(SD) |
| 207B | LY43111-001A | SHAFT(SD.COVER) |
| 207C | LY43047-001B | TORSION SPRING |
| 208 | LY30018-081A | SPECIAL SCREW,X2 |
| 209 | LY30029-0K5A | SPACER(A),X2 |
| ⚠ 210 | LY43148-001A | CAUTION LABEL |
| 211 | LY32255-001B | HOOD |
| 212 | LY43169-001A | HOLDER(SD CON) |
| 213 | LY30018-0E1A | SPECIAL SCREW |
| 214 | LY30018-065A | SPECIAL SCREW |
| 215 | LY30018-081A | SPECIAL SCREW |
| 216 | QYSPSPT1725D | SCREW |
| 217 | LY43084-001A | SHEET(B.COVER) |
| 218 | LY30018-065A | SPECIAL SCREW |
| 219 | LY43216-001A | SPACER(LOW-BOTT) |
| 220 | LY30029-0L3A | SPACER(A),X2 |
| 222 | LY30018-081A | SPECIAL SCREW,X2 |
| 223 | LY30018-0A3A | SPECIAL SCREW |
| 224 | LY30017-027A | SPACER-B |
| 226 | LY30017-029A | SPACER-B |
| 228 | LY30029-0Q2A | SPACER(A) |
| 229 | LY30029-0Q5A | SPACER(A) |
| 230 | LY20757-001B | CASSETTE COVER |
| 231 | LY32244-001B | ARM ASSY(1) |
| 232 | LY30018-081A | SPECIAL SCREW |
| 233 | LY30018-081A | SPECIAL SCREW |
| 234 | LY30018-0E3A | SPECIAL SCREW |
| 235 | LY32245-001B | ARM ASSY(2) |
| 236 | LY30018-081A | SPECIAL SCREW,X2 |
| 237 | LY30018-081A | SPECIAL SCREW,X2 |
| 238 | LY30018-081A | SPECIAL SCREW |
| 239 | LY43113-001A | SHAFT(C.COVER),X2 |
| ⚠ 240 | LY43149-001A | SAFETY LABEL |
| 241 | LY43055-001A | SHEET(C.COVER) |
| 242 | LY20749-001B | OPE.COVER UNIT |
| 243 | LY30018-065A | SPECIAL SCREW,X4 |
| 244 | LY30018-081A | SPECIAL SCREW,X2 |
| 245 | LY30029-0L5A | SPACER(A) |
| 246 | LY43198-001A | SHEET(OPE-SD) |
| 247 | LY30029-0N8A | SPACER(A) |
| 248 | LY43200-001A | SHEET(ARM1) |
| 249 | LY43201-001A | SHEET(ARM2) |
| 250 | LY30018-0E3A | SPECIAL SCREW |
| 252 | LY43160-001A | SHEET(CCD PWB) |
| 253 | LY30029-0K8A | SPACER(A) |
| 254 | LY43075-001B | OP BRACKET ASSY |
| 254A | LY41675-001A | RUBBER |
| 254B | LY30017-018A | SPACER(B) |
| 255 | LY30018-0D7A | SPECIAL SCREW |
| 256 | LY30029-0L4A | SPACER(A) |

### – OPTICAL BLOCK SECTION –

| | | |
|---|---|---|
| 251 | J0D-101A | OPTICAL BLOCK ASSY |
| 251A | LY32158-001A | ZOOM MOTOR |
| 251B | LY32157-001A | FOCUS MOTOR |
| 251C | LY30727-006B | SCREW,X5 |
| 251D | LY30727-001A | SCREW,X2 |
| 251E | LY42983-001A | OPTICAL LPF |
| 251F | LY42948-001B | SHEET |
| 251G | LYH40167-001A | CCD BASE ASSY |
| 251H | LY32162-001A | IRIS UNIT |
| 251J | QYSPSGU1740Z | SCREW,X2 |

## 5.3 MECHANISM ASSEMBLY <M3>




| Classification | Part No. | Symbol in drawing |
|---|---|---|
| Grease | KYODO-SH-P | AA |
| Oil | YTU94027 | BB |
| Grease (HANARL) | RX-410R | CC |

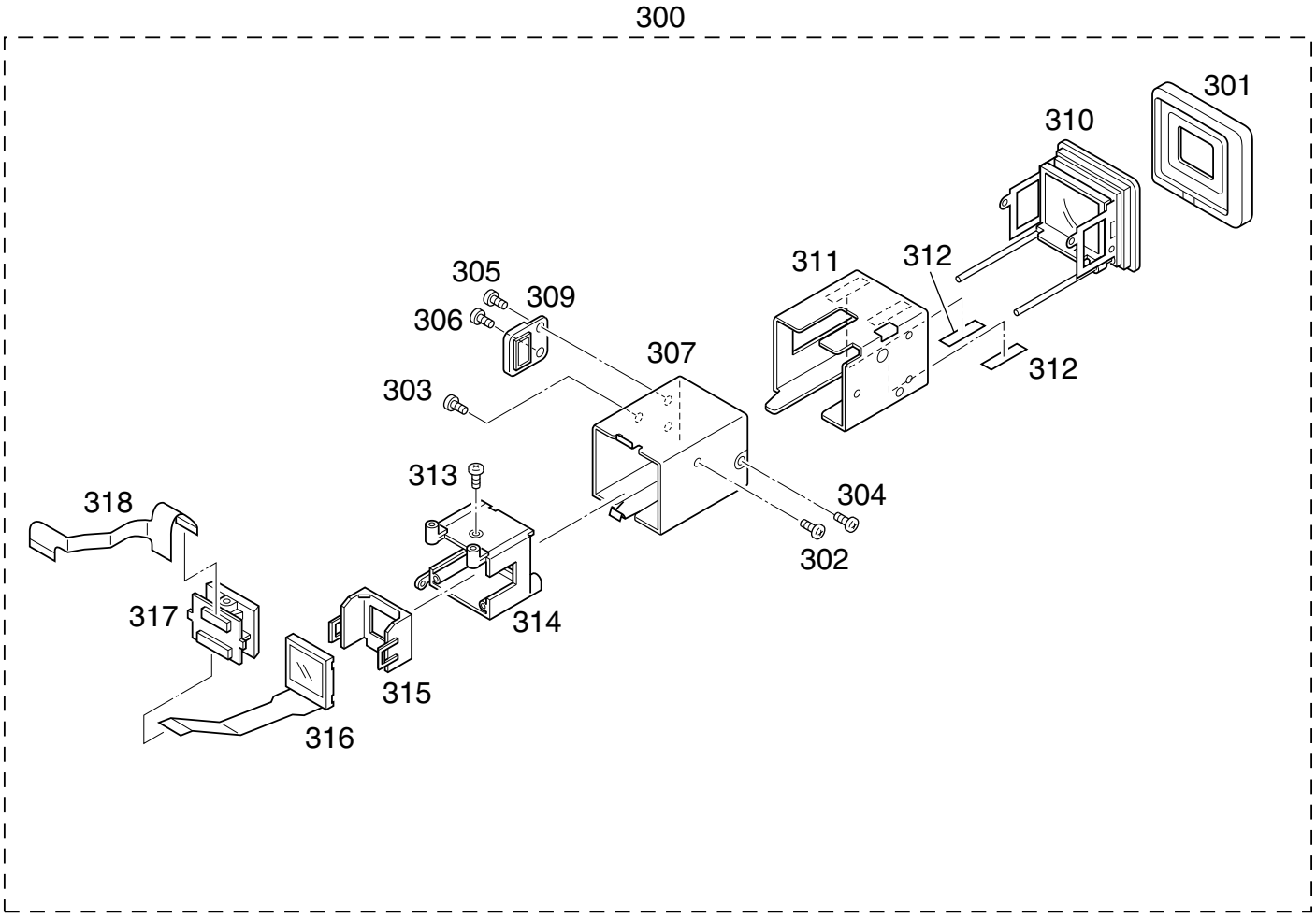
**NOTE:** The section marked in **AA** and **BB**, **CC** indicate lubrication and greasing areas.

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION |
|---|---|---|
| ********** | | |

## MECHANISM ASSEMBLY <M3>

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION |
|---|---|---|
| 400 | YMA0029B | MECHA(A)ASSY |
| 401 | LY31543-002C | CASSETTE HOUSING ASSY |
| 402 | YQ43893-8 | MINI SCREW,X3 |
| 403 | LY31542-001F | UPPER BASE ASSY |
| 404 | YQ43893 | MINI SCREW |
| 405 | YDV2096B | DRUM ASSY |
| 406 | LY42820-001A | DAMPER SCREW ASSY,X2 |
| 407 | LY42820-002A | DAMPER SCREW ASSY |
| 408 | LY31538-001B | REEL DISK ASSY |
| 409 | LY31538-002B | REEL DISK ASSY |
| 410 | YQ44246 | SLIT WASHER,X2 |
| 411 | LY10217-001A | REEL COVER ASSY |
| 412 | LY42120-001A | MINI SCREW |
| 413 | LY41945-003A | MINI SCREW,X2 |
| 414 | YQ44246 | SLIT WASHER,X2 |
| 415 | LY42025-001C | TENSSION ARM ASSY |
| 416 | LY31535-001C | SLANT POLE ARM ASSY |
| 417 | LY42031-001C | TU ARM ASSY |
| 418 | LY31531-001B | SWING ARM ASSY |
| 419 | YQ43893 | MINI SCREW |
| 420 | LY20530-002B | SLIDE DECK FINAL ASSY |
| 421 | YQ43893 | MINI SCREW,X2 |
| 422 | LY43023-001A | MINI SCREW |
| 424 | LY31533-001D | PAD ARM ASSY |
| 425 | YQ44246 | SLIT WASHER |
| 426 | LY42014-001A | SUP BRAKE ASSY |
| 427 | YQ43893 | MINI SCREW |
| 428 | LY42016-001A | TU BRAKE ASSY |
| 429 | YQ44246 | SLIT WASHER |
| 430 | LY41959-001A | TENSION CONTROL LEVER ASSY |
| 431 | LY31525-001A | CENTER GEAR |
| 432 | LY31516-001B | PINCH ROLLER ARM FINAL ASSY |
| 433 | YQ44246 | SLIT WASHER |
| 434 | LY41956-001C | TENSION CONTROL PLATE ASSY |
| 435 | LY41962-001B | BRAKE CONTROL LEVER ASSY |
| 436 | LY20525-002A | MONITOR BRACKET ASSY |
| 436A | QAR0138-001 | LOADING MOTOR |
| 436B | LY41940-001A | TAPPING SCREW,X2 |
| 437 | YQ43893 | MINI SCREW,X3 |
| 438 | LY20528-001H | GUIDE RAIL ASSY |
| 439 | YQ43893 | MINI SCREW |
| 440 | YQ44246 | SLIT WASHER,X2 |
| 441 | LY31498-002B | SLIDE LEVER2 ASSY |
| 442 | LY41965-001A | LOADING PLATE ASSY |
| 443 | YQ44246 | SLIT WASHER |
| 444 | LY31522-001A | EJECT LEVER |
| 445 | YQ44246 | SLIT WASHER |
| 446 | LY41929-001A | BASE R ASSY |
| 447 | YQ43893 | MINI SCREW |
| 448 | LY41945-001A | MINI SCREW |
| 449 | LY41930-001A | MODE GEAR |
| 450 | QSW0876-002 | ROTARY ENCODER |
| 451 | YQ43893 | MINI SCREW,X2 |
| 452 | LY31524-001A | GEAR COVER ASSY |
| 453 | YQ43893 | MINI SCREW,X2 |
| 454 | YQ43893-4 | MINI SCREW |
| 455 | LY41948-001B | MAIN CAM ASSY |
| 456 | LY41941-001A | SLIDE ARM ASSY |
| 457 | LY41951-001A | CONNECT GEAR 2 |
| 458 | LY41954-001A | SUB CAM ASSY |
| 459 | LY42120-001A | MINI SCREW |
| 460 | LY41952-001A | CNTLROL ARM ASSY |
| 461 | LY31523-001A | REEL GEAR 1 |
| 462 | LY31508-001B | DRUM BASE ASSY |
| 463 | QYSPSPU1425M | SCREW,X3 |
| 464 | QAR0142-001 | CAPSTAN MOTOR |
| 465 | YQ43893 | MINI SCREW |
| 466 | LY10210-001C | MAIN DECK ASSY |

## 5.4 ELECTRONIC VIEWFINDER ASSEMBLY <M4>




| # | ⚠ | REF No. | PART No. | PART NAME, DESCRIPTION |
|---|---|---|---|---|

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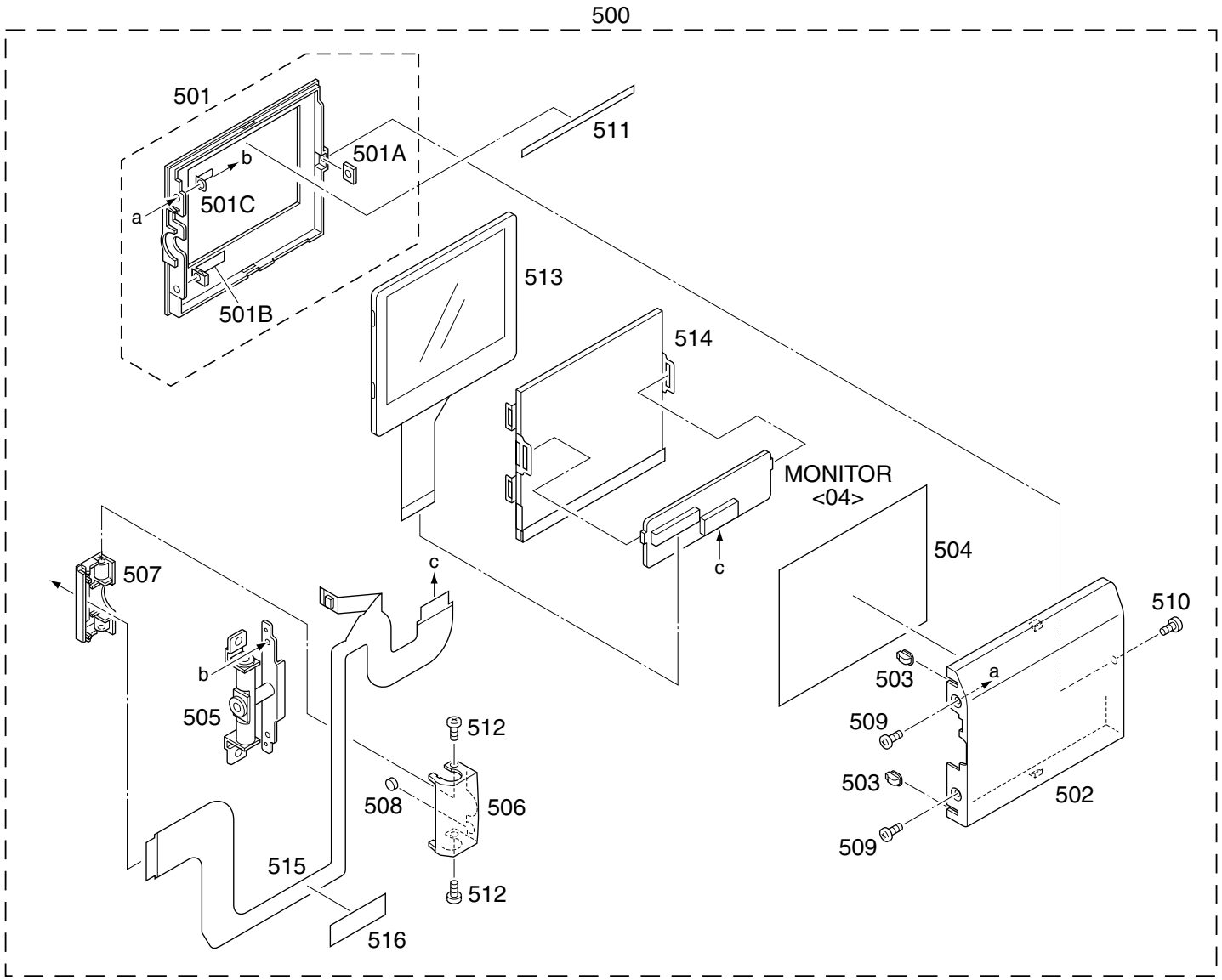
### ELECTRONIC VIEWFINDER ASSEMBLY <M4>

| | | | |
|---|---|---|---|
| | | 300 | LY32231-001C | VF UNIT |
| | | 301 | PTY32231-001 | EYE CUP |
| | | 302 | LY30018-005A | SPECIAL SCREW |
| | | 303 | LY30018-005A | SPECIAL SCREW |
| | | 304 | LY30018-005A | SPECIAL SCREW |
| | | 305 | LY30019-036A | SPECIAL SCREW |
| | | 306 | LY30019-036A | SPECIAL SCREW |
| | | 307 | PTY32231-011 | CASE ASSY |
| | | 309 | PTY32231-012 | CAP(VF) |
| | | 310 | PTY32231-041 | EYE PIECE SUB ASSY |
| | | 311 | PTY32231-031 | GUIDE(VF) |
| | | 312 | LY43237-001A | SPACER(A),X2 |
| | | 313 | LY30018-0D4A | SPECIAL SCREW |
| | | 314 | PTY32231-021 | FRANE(VF) |
| | | 315 | PTY32231-051 | HOLDER(LCD) |
| | | 316 | QLD0117-002 | LCD MODULE |
| | | 317 | PTY32231-061 | B/L PWB |
| | | 318 | PTY32231-071 | FRANE(VF) |

### 5.5 MONITOR ASSEMBLY <M5>




| # | ⚠ | REF No. | PART No. | PART NAME, DESCRIPTION |
|---|---|---|---|---|

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**MONITOR ASSEMBLY <M5>**

| | | | | |
|---|---|---|---|---|
| | ⚠ | 500 | LYH20289-001B | MONITOR ASSY |
| | | 501 | LY32263-001C | MONITOR CASE ASSY |
| | | 501A | LY40162-001A | BRACKET |
| | | 501B | LY43202-001A | EARTH(MONI.2) |
| | | 501C | LY43077-001B | EARTH(MONI.) |
| | ⚠ | 502 | LY10297-001C | MONITOR COVER |
| | | 503 | LY43078-001B | RIB(MONI.),X2 |
| | | 504 | LY43085-001A | SHEET(M.COVER) |
| | | 505 | LY32230-001A | HINGE ASSY |
| | | 506 | LY32267-001A | HINGE COVER(U) |
| | | 507 | LY32268-001A | HINGE C0VER(L) |
| | | 508 | LY42355-001A | MAGNET |
| | | 509 | LY30018-0D3A | SPECIAL SCREW,X2 |
| | | 510 | LY30018-081A | SPECIAL SCREW |
| | | 511 | LY30029-0M8A | SPACER(A) |
| | | 512 | LY30018-087A | SPECIAL SCREW,X2 |
| | | 513 | QLD0131-001 | LCD MODULE |
| | | 514 | QLL0097-001 | BACK LIGHT |
| | | 515 | LY32282-001B | FPC ASSY(MONI) |
| | | 516 | LY43214-001A | SHEET(MONI.FPC) |

## 5.6 ELECTRICAL PARTS LIST

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION |
|---|---|---|
| ********** | | |

### MAIN BOARD ASSEMBLY <01>

| | | |
|---|---|---|
| PW | YB10327A-02 | MAIN BOARD ASSY |
| IC1001 | UPD703039F1-A13 | IC(MICRO C ROM) |
| | or UPD70F3040F1A13 | IC(MICRO C ROM) |
| IC1002 | RS5C314 | IC |
| IC1003 | AT25320N-10SI-X | IC |
| | or 25LC640-I/SN-X | IC |
| | or X25330S8I-2.5-X | IC |
| IC1006 | MB90097PFV142 | IC(μ C ROM) |
| IC1007 | SN74AHC1G08K | IC |
| IC1101 | TA75W01FU | IC |
| IC1401 | UPD703040YF-M01 | IC(MICRO C ROM) |
| | or UPD70F3040YFM01 | IC(MICRO C ROM) |
| IC1601 | BD6630KV | IC |
| IC1701 | TA75W01FU | IC |
| IC1702 | TA75W393FU | IC |
| IC3001 | JCY0170 | IC |
| IC3002 | JCY0136 | IC |
| IC3003 | TLC2940IPW | IC |
| IC3004 | SN74AHC1G04K | IC |
| IC3006 | JCY0164 | IC |
| IC3501 | JCY0132 | IC |
| IC3701 | BA7665FS | IC |
| IC4201 | HD49326BF | IC |
| IC4202 | MM1385HN | IC |
| IC4301 | JCY0167 | IC |
| IC4302 | MSM548331TA | IC(DIGITAL) |
| IC4303 | MSM548331TA | IC(DIGITAL) |
| IC4304 | MM1385NN | IC |
| IC5501 | JCY0117 | IC |
| IC6001 | S-80842ANNP-W | IC |
| IC6002 | S-817A33ANB-W | IC |
| IC6003 | S-814A30AMC-W | IC |
| IC6004 | S-80826ANNP-W | IC |
| IC6101 | FA3676F | IC |
| IC7402 | CXA3503R-B | IC |
| IC7801 | CXA3268AR-B | IC |
| IC7802 | MM1385HN | IC |
| IC7804 | TA75W01FU | IC |
| IC8001 | JCY0169 | IC |
| IC8002 | MSM56V16160D1LS | IC |
| IC8003 | M32310D5WG | IC |
| IC8004 | MBV800TA90PBA12 | IC(MICRO C ROM) |
| IC8005 | SN74AHC1G00K | IC |
| | or TC7S00FU | IC |
| IC8006 | MM1385NN | IC |
| IC8007 | MM1385EN | IC |
| IC8008 | TC7WHU04FU | IC |
| IC8009 | TC7WH74FK | IC |
| IC8010 | TC7WH32FK | IC |
| IC8011 | SN74AHC1G08K | IC |
| IC8012 | TC7WH74FK | IC |
| IC8101 | TMS320DA050 | IC |
| IC8102 | TC7MA2244FK | IC |
| IC8103 | TC7S04FU | IC(DIGITAL) |
| IC8401 | ML60851CLB | IC |
| | or ML60851DLB | IC |
| IC8402 | S-80842ANNP-W | IC |
| Q1001 | DTC124EE | TRANSISTOR |
| | or UN9212J | TRANSISTOR |
| Q1002 | 2SC4617/QR/-X | TRANSISTOR |
| Q1003 | DTC143EE | TRANSISTOR |
| | or RN1101 | TRANSISTOR |
| | or UN921LJ | TRANSISTOR |
| Q1004 | DTC143XE | TRANSISTOR |
| Q1006 | DTA114EE | TRANSISTOR |
| | or PDTA114EE | TRANSISTOR |
| | or RN2102 | TRANSISTOR |
| | or UN9111J | TRANSISTOR |
| Q1007 | DTC144EE | TRANSISTOR |
| | or RN1104 | TRANSISTOR |
| | or PDTC144EE | TRANSISTOR |
| | or UN9213J | TRANSISTOR |
| Q1401 | DTA114EE | TRANSISTOR |
| | or PDTA114EE | TRANSISTOR |
| | or RN2102 | TRANSISTOR |
| | or UN9111J | TRANSISTOR |
| Q1402 | UMC3N | TRANSISTOR |
| Q1403 | UMC3N | TRANSISTOR |
| Q1601 | UMC3N | TRANSISTOR |
| Q2701 | UMX1N | PAIR TRANSISTOR |
| Q2702 | UMX1N | PAIR TRANSISTOR |
| Q3701 | UMT2N | PAIR TRANSISTOR |
| Q3702 | UMZ1N | PAIR TRANSISTOR |
| Q4301 | UMT2N | PAIR TRANSISTOR |
| Q4303 | 2SA1774/QR/-X | TRANSISTOR |
| Q6001 | SSM6J07FU | MOS FET |
| Q6002 | 2SK3019 | MOS FET |
| | or 2SK1830 | MOS FET |
| Q6003 | 2SJ347 | MOS FET |
| Q6004 | 2SK3019 | MOS FET |
| | or 2SK1830 | MOS FET |
| Q6005 | DTC144EE | TRANSISTOR |
| | or PDTC144EE | TRANSISTOR |
| | or RN1104 | TRANSISTOR |
| | or UN9213J | TRANSISTOR |
| Q6101 | FDC6506P | MOS FET |
| Q6102 | FDC6506P | MOS FET |
| Q6103 | FDC6506P | MOS FET |
| Q6104 | 2SC4617/RS/-X | TRANSISTOR |
| Q6105 | UMZ1N | PAIR TRANSISTOR |
| Q6106 | UMX1N | PAIR TRANSISTOR |
| Q6107 | 2SA1577/RS/-X | TRANSISTOR |
| Q7802 | UMZ1N | PAIR TRANSISTOR |
| Q7803 | UMZ1N | PAIR TRANSISTOR |
| Q7806 | 2SA1577/QR/-X | TRANSISTOR |
| Q7807 | DTC144EE | TRANSISTOR |
| | or PDTC144EE | TRANSISTOR |
| | or RN1104 | TRANSISTOR |
| | or UN9213J | TRANSISTOR |
| Q8401 | DTA114EE | TRANSISTOR |
| | or PDTA114EE | TRANSISTOR |
| | or RN2102 | TRANSISTOR |
| | or UN9111J | TRANSISTOR |
| D1001 | DA221 | DIODE |
| D1002 | 1SS376 | DIODE |
| D1602 | DAP222 | DIODE |
| D1603 | DAP222 | DIODE |
| D1604 | DAP222 | DIODE |
| D2701 | UMZ6.8EN | ZENER DIODE |
| D2702 | EMZ6.8N | ZENER DIODE |
| D2703 | DAN222 | DIODE |
| D3001 | EC2C01C | VARI CAP DIODE |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| D3002 | EC2C01C | VARI CAP DIODE | |
| D3003 | EC2C01C | VARI CAP DIODE | |
| D5501 | 1SS355 | DIODE | |
| D6001 | RB706D-40-X | SB DIODE | |
| ⚠ D6002 | RB715F | SB DIODE | |
| D6101 | CRS01 | SB DIODE | |
| D6102 | CRS01 | SB DIODE | |
| D6103 | CRS01 | SB DIODE | |
| D6104 | CRS01 | SB DIODE | |
| D6105 | CRS01 | SB DIODE | |
| D6106 | 1SS383 | SB DIODE | |
| D6107 | 1SS383 | SB DIODE | |
| D6108 | MA8043/L/-X | ZENER DIODE | |
| D7401 | MA365 | VARI CAP DIODE | |
| D7801 | MA365 | VARI CAP DIODE | |
| D7803 | MA111 | DIODE | |
| D8001 | 1SS355 | DIODE | |
| D8401 | RB751V-40-X | SB DIODE | |
| R1001 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R1002 | NRSA6AJ-224W | MG RESISTOR | 220kΩ,1/16W |
| R1003 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R1004 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R1005 | NRSA6AJ-153W | MG RESISTOR | 15kΩ,1/16W |
| R1006 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R1007 | NRSA6AJ-334W | MG RESISTOR | 330kΩ,1/16W |
| R1008 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R1009 | NRSA6AJ-152W | MG RESISTOR | 1.5kΩ,1/16W |
| R1010 | NRSA6AJ-561W | MG RESISTOR | 560Ω,1/16W |
| R1011 | NRSA6AJ-182W | MG RESISTOR | 1.8kΩ,1/16W |
| R1012 | NRSA6AJ-272W | MG RESISTOR | 2.7kΩ,1/16W |
| R1013 | NRSA6AJ-392W | MG RESISTOR | 3.9kΩ,1/16W |
| R1014 | NRSA6AJ-682W | MG RESISTOR | 6.8kΩ,1/16W |
| R1015 | NRSA6AJ-474W | MG RESISTOR | 470kΩ,1/16W |
| R1017 | NRSA6AJ-391W | MG RESISTOR | 390Ω,1/16W |
| R1018 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R1020 | NRSA6AJ-331W | MG RESISTOR | 330Ω,1/16W |
| R1021 | NRSA6AJ-331W | MG RESISTOR | 330Ω,1/16W |
| R1022 | NRSA6AJ-331W | MG RESISTOR | 330Ω,1/16W |
| R1023 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R1024 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R1025 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R1026 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R1029 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R1030 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R1037 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R1039 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R1044 | NRSA6AJ-123W | MG RESISTOR | 12kΩ,1/16W |
| R1045 | NRSA6AJ-822W | MG RESISTOR | 8.2kΩ,1/16W |
| R1046 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R1047 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R1048 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R1049 | NRSA6AJ-393W | MG RESISTOR | 39kΩ,1/16W |
| R1050 | NRSA6AJ-223W | MG RESISTOR | 22kΩ,1/16W |
| R1051 | NRSA6AJ-272W | MG RESISTOR | 2.7kΩ,1/16W |
| R1052 | NRSA6AJ-183W | MG RESISTOR | 18kΩ,1/16W |
| R1053 | NRSA6AJ-154W | MG RESISTOR | 150kΩ,1/16W |
| R1054 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R1055 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R1056 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R1058 | NRSA6AJ-222W | MG RESISTOR | 2.2kΩ,1/16W |
| R1060 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R1066 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R1071 | NRSA6AJ-474W | MG RESISTOR | 470kΩ,1/16W |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| R1072 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R1101 | NRSA6AJ-333W | MG RESISTOR | 33kΩ,1/16W |
| R1102 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R1104 | NRSA6AJ-105W | MG RESISTOR | 1MΩ,1/16W |
| R1106 | NRSA6AJ-105W | MG RESISTOR | 1MΩ,1/16W |
| R1107 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R1108 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R1109 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R1401 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R1404 | NRSA6AJ-105W | MG RESISTOR | 1MΩ,1/16W |
| R1405 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R1408 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R1422 | NRSA6AJ-332W | MG RESISTOR | 3.3kΩ,1/16W |
| R1423 | NRSA6AJ-332W | MG RESISTOR | 3.3kΩ,1/16W |
| R1424 | NRSA6AJ-332W | MG RESISTOR | 3.3kΩ,1/16W |
| R1425 | NRVA6AD-753W | CMF RESISTOR | 75kΩ,1/16W |
| R1426 | NRSA6AJ-334W | MG RESISTOR | 330kΩ,1/16W |
| R1438 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R1439 | NRSA6AJ-332W | MG RESISTOR | 3.3kΩ,1/16W |
| R1440 | NRSA6AJ-332W | MG RESISTOR | 3.3kΩ,1/16W |
| R1441 | NRSA6AJ-332W | MG RESISTOR | 3.3kΩ,1/16W |
| R1442 | NRSA6AJ-332W | MG RESISTOR | 3.3kΩ,1/16W |
| R1443 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R1444 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R1445 | NRSA6AJ-101W | MG RESISTOR | 100Ω,1/16W |
| R1601 | NRSA6AJ-681W | MG RESISTOR | 680Ω,1/16W |
| R1602 | NRSA6AJ-124W | MG RESISTOR | 120kΩ,1/16W |
| R1603 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R1604 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R1605 | NRV142F-R22X | CMF RESISTOR | 0.22Ω,1/4W |
| R1606 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R1609 | NRV142F-R33X | CMF RESISTOR | 0.33Ω,1/4W |
| R1610 | NRSA6AJ-471W | MG RESISTOR | 470Ω,1/16W |
| R1611 | NRSA6AJ-471W | MG RESISTOR | 470Ω,1/16W |
| R1612 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R1613 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R1614 | NRSA6AJ-682W | MG RESISTOR | 6.8kΩ,1/16W |
| R1615 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R1616 | NRSA6AJ-681W | MG RESISTOR | 680Ω,1/16W |
| R1617 | NRSA6AJ-224W | MG RESISTOR | 220kΩ,1/16W |
| R1618 | NRSA6AJ-154W | MG RESISTOR | 150kΩ,1/16W |
| R1619 | NRSA6AJ-223W | MG RESISTOR | 22kΩ,1/16W |
| R1620 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R1621 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R1622 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R1624 | NRSA6AD-123W | MG RESISTOR | 12kΩ,1/16W |
| R1628 | NRSA6AD-361W | MG RESISTOR | 360Ω,1/16W |
| R1629 | NRSA6AJ-564W | MG RESISTOR | 560kΩ,1/16W |
| R1630 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R1631 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R1632 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R1633 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R1634 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R1635 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R1636 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R1637 | NRSA6AJ-124W | MG RESISTOR | 120kΩ,1/16W |
| R1644 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R1701 | NRSA6AJ-823W | MG RESISTOR | 82kΩ,1/16W |
| R1702 | NRSA6AJ-222W | MG RESISTOR | 2.2kΩ,1/16W |
| R1703 | NRSA6AJ-222W | MG RESISTOR | 2.2kΩ,1/16W |
| R1704 | NRSA6AJ-222W | MG RESISTOR | 2.2kΩ,1/16W |
| R1705 | NRSA6AJ-222W | MG RESISTOR | 2.2kΩ,1/16W |
| R1706 | NRSA6AJ-823W | MG RESISTOR | 82kΩ,1/16W |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| R1707 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R1708 | NRSA6AJ-124W | MG RESISTOR | 120kΩ,1/16W |
| R1709 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R1710 | NRSA6AJ-124W | MG RESISTOR | 120kΩ,1/16W |
| R1711 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R1712 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R2701 | NRSA6AJ-821W | MG RESISTOR | 820Ω,1/16W |
| R2702 | NRSA6AJ-821W | MG RESISTOR | 820Ω,1/16W |
| R2703 | NRSA6AJ-564W | MG RESISTOR | 560kΩ,1/16W |
| R2704 | NRSA6AJ-564W | MG RESISTOR | 560kΩ,1/16W |
| R2705 | NRSA6AJ-332W | MG RESISTOR | 3.3kΩ,1/16W |
| R2706 | NRSA6AJ-151W | MG RESISTOR | 150Ω,1/16W |
| R2707 | NRSA6AJ-151W | MG RESISTOR | 150Ω,1/16W |
| R2708 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R2709 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R2710 | NRSA6AJ-332W | MG RESISTOR | 3.3kΩ,1/16W |
| R2909 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R3002 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R3004 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R3007 | NRSA6AJ-562W | MG RESISTOR | 5.6kΩ,1/16W |
| R3008 | NRSA6AJ-222W | MG RESISTOR | 2.2kΩ,1/16W |
| R3009 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R3010 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R3011 | NRSA6AJ-224W | MG RESISTOR | 220kΩ,1/16W |
| R3013 | NRSA6AJ-242W | MG RESISTOR | 2.4kΩ,1/16W |
| R3014 | NRSA6AJ-392W | MG RESISTOR | 3.9kΩ,1/16W |
| R3015 | NRSA6AJ-392W | MG RESISTOR | 3.9kΩ,1/16W |
| R3016 | NRSA6AD-560W | MG RESISTOR | 56Ω,1/16W |
| R3017 | NRSA6AD-560W | MG RESISTOR | 56Ω,1/16W |
| R3018 | NRSA6AD-560W | MG RESISTOR | 56Ω,1/16W |
| R3019 | NRSA6AD-560W | MG RESISTOR | 56Ω,1/16W |
| R3020 | NRSA6AD-512W | MG RESISTOR | 5.1kΩ,1/16W |
| R3025 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R3026 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R3027 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R3029 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R3030 | NRSA6AJ-224W | MG RESISTOR | 220kΩ,1/16W |
| R3031 | NRSA6AJ-224W | MG RESISTOR | 220kΩ,1/16W |
| R3033 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R3034 | NRSA6AJ-222W | MG RESISTOR | 2.2kΩ,1/16W |
| R3041 | NRSA6AJ-561W | MG RESISTOR | 560Ω,1/16W |
| R3042 | NRSA6AJ-561W | MG RESISTOR | 560Ω,1/16W |
| R3043 | NRSA6AJ-561W | MG RESISTOR | 560Ω,1/16W |
| R3044 | NRSA6AJ-392W | MG RESISTOR | 3.9kΩ,1/16W |
| R3046 | NRSA6AD-222W | MG RESISTOR | 2.2kΩ,1/16W |
| R3047 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R3050 | NRSA63J-101X | MG RESISTOR | 100Ω,1/16W |
| R3052 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R3053 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R3054 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R3055 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R3057 | NRSA6AJ-101W | MG RESISTOR | 100Ω,1/16W |
| R3059 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R3062 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R3501 | NRSA6AJ-471W | MG RESISTOR | 470Ω,1/16W |
| R3502 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R3503 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R3504 | NRSA6AD-241W | MG RESISTOR | 240Ω,1/16W |
| R3505 | NRSA6AD-241W | MG RESISTOR | 240Ω,1/16W |
| R3506 | NRSA6AD-241W | MG RESISTOR | 240Ω,1/16W |
| R3507 | NRSA6AD-241W | MG RESISTOR | 240Ω,1/16W |
| R3508 | NRSA6AJ-223W | MG RESISTOR | 22kΩ,1/16W |
| R3509 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| R3521 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R3522 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R3523 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R3525 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R3701 | NRSA6AD-241W | MG RESISTOR | 240Ω,1/16W |
| R3702 | NRSA6AD-241W | MG RESISTOR | 240Ω,1/16W |
| R3703 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R3704 | NRSA6AJ-392W | MG RESISTOR | 3.9kΩ,1/16W |
| R3705 | NRSA6AD-221W | MG RESISTOR | 220Ω,1/16W |
| R3706 | NRSA6AD-221W | MG RESISTOR | 220Ω,1/16W |
| R3707 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R3708 | NRSA6AD-680W | MG RESISTOR | 68Ω,1/16W |
| R3709 | NRSA6AD-680W | MG RESISTOR | 68Ω,1/16W |
| R3711 | NRSA6AJ-123W | MG RESISTOR | 12kΩ,1/16W |
| R3712 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R3714 | NRSA6AJ-561W | MG RESISTOR | 560Ω,1/16W |
| R3715 | NRSA6AJ-561W | MG RESISTOR | 560Ω,1/16W |
| R3716 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R4203 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4204 | NRSA6AJ-220W | MG RESISTOR | 22Ω,1/16W |
| R4205 | NRSA6AJ-243W | MG RESISTOR | 24kΩ,1/16W |
| R4206 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R4207 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R4208 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R4301 | NRSA6AJ-220W | MG RESISTOR | 22Ω,1/16W |
| R4302 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| R4303 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4307 | NRVA6AD-333W | CMF RESISTOR | 33kΩ,1/16W |
| R4308 | NRVA6AD-682W | CMF RESISTOR | 6.8kΩ,1/16W |
| R4309 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4311 | NRVA6AD-272W | CMF RESISTOR | 2.7kΩ,1/16W |
| R4312 | NRVA6AD-272W | CMF RESISTOR | 2.7kΩ,1/16W |
| R4313 | NRVA6AD-272W | CMF RESISTOR | 2.7kΩ,1/16W |
| R4314 | NRVA6AD-123W | CMF RESISTOR | 12kΩ,1/16W |
| R4315 | NRVA6AD-103W | CMF RESISTOR | 10kΩ,1/16W |
| R4316 | NRVA6AD-111W | CMF RESISTOR | 110Ω,1/16W |
| R4317 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4318 | NRSA6AJ-152W | MG RESISTOR | 1.5kΩ,1/16W |
| R4319 | NRVA6AD-111W | CMF RESISTOR | 110Ω,1/16W |
| R4320 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4321 | NRSA6AJ-152W | MG RESISTOR | 1.5kΩ,1/16W |
| R4322 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| R4323 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| R4324 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| R4325 | NRSA6AJ-101W | MG RESISTOR | 100Ω,1/16W |
| R4326 | NRSA6AJ-101W | MG RESISTOR | 100Ω,1/16W |
| R4327 | NRSA6AJ-101W | MG RESISTOR | 100Ω,1/16W |
| R4328 | NRSA6AJ-101W | MG RESISTOR | 100Ω,1/16W |
| R4329 | NRSA6AJ-223W | MG RESISTOR | 22kΩ,1/16W |
| R4330 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4331 | NRVA6AD-111W | CMF RESISTOR | 110Ω,1/16W |
| R4332 | NRSA6AJ-152W | MG RESISTOR | 1.5kΩ,1/16W |
| R4333 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4336 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R4338 | NRSA6AJ-220W | MG RESISTOR | 22Ω,1/16W |
| R4340 | NRSA6AJ-272W | MG RESISTOR | 2.7kΩ,1/16W |
| R4341 | NRSA6AJ-223W | MG RESISTOR | 22kΩ,1/16W |
| R4342 | NRSA6AJ-223W | MG RESISTOR | 22kΩ,1/16W |
| R4343 | NRSA6AJ-223W | MG RESISTOR | 22kΩ,1/16W |
| R5501 | NRSA6AJ-470W | MG RESISTOR | 47Ω,1/16W |
| R5503 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| R5504 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| R5505 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |

| # ⚠ | REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|---|
| | R5506 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| | R5507 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| | R5509 | NRSA6AJ-220W | MG RESISTOR | 22Ω,1/16W |
| | R5510 | NRSA6AJ-470W | MG RESISTOR | 47Ω,1/16W |
| | R5511 | NRSA6AJ-470W | MG RESISTOR | 47Ω,1/16W |
| | R5512 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| | R5513 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| | R5514 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| | R6001 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| | R6002 | NRSA6AD-183W | MG RESISTOR | 18kΩ,1/16W |
| | R6003 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| | R6004 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| | R6005 | NRSA6AJ-224W | MG RESISTOR | 220kΩ,1/16W |
| | R6006 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| | R6007 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| | R6011 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| | R6012 | NRSA6AD-823W | MG RESISTOR | 82kΩ,1/16W |
| | R6013 | NRSA6AD-473W | MG RESISTOR | 47kΩ,1/16W |
| ⚠ | R6017 | NRSA63J-102X | MG RESISTOR | 1kΩ,1/16W |
| ⚠ | R6018 | NRSA63J-471X | MG RESISTOR | 470Ω,1/16W |
| | R6101 | NRSA6AD-302W | MG RESISTOR | 3kΩ,1/16W |
| | R6102 | NRSA6AD-243W | MG RESISTOR | 24kΩ,1/16W |
| | R6103 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| | R6104 | NRSA6AJ-224W | MG RESISTOR | 220kΩ,1/16W |
| | R6105 | NRSA6AJ-184W | MG RESISTOR | 180kΩ,1/16W |
| | R6107 | NRSA6AD-153W | MG RESISTOR | 15kΩ,1/16W |
| | R6108 | NRSA6AD-123W | MG RESISTOR | 12kΩ,1/16W |
| | R6109 | NRSA6AD-562W | MG RESISTOR | 5.6kΩ,1/16W |
| | R6110 | NRSA6AD-473W | MG RESISTOR | 47kΩ,1/16W |
| | R6111 | NRSA6AD-472W | MG RESISTOR | 4.7kΩ,1/16W |
| | R6112 | NRSA6AD-113W | MG RESISTOR | 11kΩ,1/16W |
| | R6113 | NRSA6AD-223W | MG RESISTOR | 22kΩ,1/16W |
| | R6114 | NRSA6AD-183W | MG RESISTOR | 18kΩ,1/16W |
| | R6115 | NRSA6AD-512W | MG RESISTOR | 5.1kΩ,1/16W |
| | R6116 | NRVA6AD-433W | CMF RESISTOR | 43kΩ,1/16W |
| | R6117 | NRSA6AJ-272W | MG RESISTOR | 2.7kΩ,1/16W |
| | R6118 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| | R6119 | NRSA6AD-683W | MG RESISTOR | 68kΩ,1/16W |
| | R6120 | NRSA6AD-123W | MG RESISTOR | 12kΩ,1/16W |
| | R6121 | NRSA6AJ-223W | MG RESISTOR | 22kΩ,1/16W |
| | R6122 | NRSA6AJ-223W | MG RESISTOR | 22kΩ,1/16W |
| | R6124 | NRSA6AJ-330W | MG RESISTOR | 33Ω,1/16W |
| | R6125 | NRSA6AJ-330W | MG RESISTOR | 33Ω,1/16W |
| | R6126 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| | R6127 | NRSA6AJ-330W | MG RESISTOR | 33Ω,1/16W |
| | R6128 | NRSA6AJ-330W | MG RESISTOR | 33Ω,1/16W |
| | R6129 | NRSA6AJ-330W | MG RESISTOR | 33Ω,1/16W |
| | R6130 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| | R6131 | NRSA6AJ-330W | MG RESISTOR | 33Ω,1/16W |
| | R6132 | NRSA6AJ-101W | MG RESISTOR | 100Ω,1/16W |
| | R6133 | NRSA6AJ-222W | MG RESISTOR | 2.2kΩ,1/16W |
| | R6134 | NRSA6AD-333W | MG RESISTOR | 33kΩ,1/16W |
| | R6135 | NRSA6AD-473W | MG RESISTOR | 47kΩ,1/16W |
| | R6136 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| | R6137 | NRSA6AJ-273W | MG RESISTOR | 27kΩ,1/16W |
| | R6138 | NRSA6AJ-822W | MG RESISTOR | 8.2kΩ,1/16W |
| | R6139 | NRSA6AD-823W | MG RESISTOR | 82kΩ,1/16W |
| | R6140 | NRSA6AD-513W | MG RESISTOR | 51kΩ,1/16W |
| | R6141 | NRSA6AD-473W | MG RESISTOR | 47kΩ,1/16W |
| | R6144 | NRSA6AD-223W | MG RESISTOR | 22kΩ,1/16W |
| | R6145 | NRSA6AD-473W | MG RESISTOR | 47kΩ,1/16W |
| | R6146 | NRSA6AD-104W | MG RESISTOR | 100kΩ,1/16W |
| | R6147 | NRSA6AD-123W | MG RESISTOR | 12kΩ,1/16W |
| | R6148 | NRSA6AD-103W | MG RESISTOR | 10kΩ,1/16W |
| | R6150 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| | R7401 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| | R7402 | NRSA6AD-333W | MG RESISTOR | 33kΩ,1/16W |
| | R7403 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| | R7404 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| | R7405 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| | R7406 | NRSA6AD-153W | MG RESISTOR | 15kΩ,1/16W |
| | R7407 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| | R7409 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| | R7410 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| | R7411 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| | R7415 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| | R7416 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| | R7420 | NRSA6AJ-333W | MG RESISTOR | 33kΩ,1/16W |
| | R7421 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| | R7422 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| | R7423 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| | R7436 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| | R7439 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| | R7440 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| | R7445 | NRSA6AJ-101W | MG RESISTOR | 100Ω,1/16W |
| | R7446 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| | R7449 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| | R7801 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| | R7802 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| | R7806 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| | R7808 | NRSA6AD-333W | MG RESISTOR | 33kΩ,1/16W |
| | R7809 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| | R7810 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| | R7812 | NRSA6AD-153W | MG RESISTOR | 15kΩ,1/16W |
| | R7814 | NRSA6AJ-333W | MG RESISTOR | 33kΩ,1/16W |
| | R7815 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| | R7816 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| | R7817 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| | R7820 | NRSA6AD-223W | MG RESISTOR | 22kΩ,1/16W |
| | R7821 | NRSA6AD-183W | MG RESISTOR | 18kΩ,1/16W |
| | R7822 | NRSA6AD-331W | MG RESISTOR | 330Ω,1/16W |
| | R7823 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| | R7824 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| | R7825 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| | R7826 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| | R7827 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| | R7834 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| | R7835 | NRSA6AJ-223W | MG RESISTOR | 22kΩ,1/16W |
| | R7836 | NRSA6AJ-223W | MG RESISTOR | 22kΩ,1/16W |
| | R7837 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| | R7838 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| | R7846 | NRSA6AJ-333W | MG RESISTOR | 33kΩ,1/16W |
| | R7847 | NRSA6AJ-683W | MG RESISTOR | 68kΩ,1/16W |
| | R7848 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| | R7849 | NRSA6AJ-184W | MG RESISTOR | 180kΩ,1/16W |
| | R7857 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| | R7858 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| | R7859 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| | R7881 | NRSA6AJ-101W | MG RESISTOR | 100Ω,1/16W |
| | R7882 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| | R7885 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| | R7887 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| | R7888 | NRSA6AJ-184W | MG RESISTOR | 180kΩ,1/16W |
| | R8002 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| | R8004 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| | R8006 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| R8007 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R8008 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8011 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8014 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8015 | NRVA6AD-133W | CMF RESISTOR | 13kΩ,1/16W |
| R8017 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8020 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8021 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| R8022 | NRSA6AJ-223W | MG RESISTOR | 22kΩ,1/16W |
| R8023 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| R8025 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| R8026 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| R8027 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R8028 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R8029 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R8030 | NRSA6AJ-223W | MG RESISTOR | 22kΩ,1/16W |
| R8032 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8033 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R8034 | NRSA6AJ-101W | MG RESISTOR | 100Ω,1/16W |
| R8035 | NRSA6AJ-101W | MG RESISTOR | 100Ω,1/16W |
| R8036 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8037 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8038 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R8040 | NRSA6AJ-105W | MG RESISTOR | 1MΩ,1/16W |
| R8046 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R8047 | NRSA6AJ-101W | MG RESISTOR | 100Ω,1/16W |
| R8049 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| R8050 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| R8051 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R8052 | NRSA6AJ-223W | MG RESISTOR | 22kΩ,1/16W |
| R8053 | NRSA6AJ-100W | MG RESISTOR | 10Ω,1/16W |
| R8054 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8055 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8101 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R8102 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8104 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R8105 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R8106 | NRSA6AJ-221W | MG RESISTOR | 220Ω,1/16W |
| R8107 | NRSA6AJ-221W | MG RESISTOR | 220Ω,1/16W |
| R8108 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R8109 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8110 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R8111 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8112 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8113 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8115 | NRSA6AJ-221W | MG RESISTOR | 220Ω,1/16W |
| R8116 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R8117 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R8118 | NRSA6AJ-221W | MG RESISTOR | 220Ω,1/16W |
| R8119 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R8120 | NRSA6AJ-221W | MG RESISTOR | 220Ω,1/16W |
| R8121 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8122 | NRSA6AJ-105W | MG RESISTOR | 1MΩ,1/16W |
| R8124 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R8128 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R8129 | NRSA6AJ-105W | MG RESISTOR | 1MΩ,1/16W |
| R8130 | NRSA6AJ-101W | MG RESISTOR | 100Ω,1/16W |
| R8131 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8132 | NRSA6AJ-680W | MG RESISTOR | 68Ω,1/16W |
| R8133 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8134 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8135 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8401 | NRSA6AJ-105W | MG RESISTOR | 1MΩ,1/16W |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| R8402 | NRS181J-220X | MG RESISTOR | 22Ω,1/8W |
| R8403 | NRS181J-220X | MG RESISTOR | 22Ω,1/8W |
| R8404 | NRSA6AJ-152W | MG RESISTOR | 1.5kΩ,1/16W |
| R8406 | NRSA6AJ-153W | MG RESISTOR | 15kΩ,1/16W |
| R8407 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R8408 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8409 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8410 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8411 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R8412 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| RA1008 | NRZ0034-104W | NETWORK RESISTOR | 100kΩ |
| RA1009 | NRZ0034-104W | NETWORK RESISTOR | 100kΩ |
| RA1010 | NRZ0034-104W | NETWORK RESISTOR | 100kΩ |
| RA1401 | NRZ0034-473W | NETWORK RESISTOR | 47kΩ |
| RA1402 | NRZ0034-102W | NETWORK RESISTOR | 1kΩ |
| RA4301 | NRZ0034-101W | NETWORK RESISTOR | 100Ω |
| RA4302 | NRZ0034-101W | NETWORK RESISTOR | 100Ω |
| RA4303 | NRZ0034-101W | NETWORK RESISTOR | 100Ω |
| RA4304 | NRZ0034-101W | NETWORK RESISTOR | 100Ω |
| RA4305 | NRZ0034-101W | NETWORK RESISTOR | 100Ω |
| RA4306 | NRZ0034-101W | NETWORK RESISTOR | 100Ω |
| RA4307 | NRZ0034-100W | NETWORK RESISTOR | 10Ω |
| RA4308 | NRZ0034-100W | NETWORK RESISTOR | 10Ω |
| RA4309 | NRZ0034-100W | NETWORK RESISTOR | 10Ω |
| RA4310 | NRZ0034-100W | NETWORK RESISTOR | 10Ω |
| RA8001 | NRZ0034-100W | NETWORK RESISTOR | 10Ω |
| RA8002 | NRZ0034-100W | NETWORK RESISTOR | 10Ω |
| RA8003 | NRZ0034-100W | NETWORK RESISTOR | 10Ω |
| RA8004 | NRZ0034-100W | NETWORK RESISTOR | 10Ω |
| RA8401 | NRZ0034-100W | NETWORK RESISTOR | 10Ω |
| RA8402 | NRZ0034-100W | NETWORK RESISTOR | 10Ω |
| RA8403 | NRZ0034-100W | NETWORK RESISTOR | 10Ω |
| RA8404 | NRZ0034-100W | NETWORK RESISTOR | 10Ω |
| C1004 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C1006 | NDCA1HJ-130W | CAPACITOR | 13pF,50V |
| C1007 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C1011 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C1013 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C1015 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C1016 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C1017 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C1018 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C1019 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C1023 | NCFA1AZ-104W | CAPACITOR | 0.1μF,10V |
| C1026 | NCFA1AZ-104W | CAPACITOR | 0.1μF,10V |
| C1027 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C1028 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C1029 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C1030 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C1031 | NCF31AZ-105X | CAPACITOR | 1μF,10V |
| C1034 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C1036 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C1037 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C1038 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C1101 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C1102 | NCBA1CK-223W | CAPACITOR | 0.022μF,16V |
| C1103 | NCBA1CK-223W | CAPACITOR | 0.022μF,16V |
| C1111 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C1112 | NBE90JM-106X | T CAPACITOR | 10μF,6.3V |
| C1113 | NBE90JM-106X | T CAPACITOR | 10μF,6.3V |
| C1401 | NDCA1HJ-150W | CAPACITOR | 15pF,50V |
| C1402 | NDCA1HJ-150W | CAPACITOR | 15pF,50V |
| C1403 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| C1404 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C1405 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C1406 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C1407 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C1414 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C1415 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C1416 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C1417 | NCBA1CK-223W | CAPACITOR | 0.022µF,16V |
| C1418 | NCBA1CK-223W | CAPACITOR | 0.022µF,16V |
| C1419 | NCBA1CK-223W | CAPACITOR | 0.022µF,16V |
| C1420 | NCBA1CK-223W | CAPACITOR | 0.022µF,16V |
| C1601 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C1602 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C1603 | NBE21AM-106X | T CAPACITOR | 10µF,10V |
| C1605 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C1606 | NCBA1HK-152W | CAPACITOR | 0.0015µF,50V |
| C1607 | NCBA1AK-473W | CAPACITOR | 0.047µF,10V |
| C1614 | NBE21AM-106X | T CAPACITOR | 10µF,10V |
| C1618 | NCBA1HK-222W | CAPACITOR | 0.0022µF,50V |
| C1619 | NCBA1HK-222W | CAPACITOR | 0.0022µF,50V |
| C1620 | NCBA1HK-222W | CAPACITOR | 0.0022µF,50V |
| C1621 | NCB21AK-105X | CAPACITOR | 1µF,10V |
| C1622 | NCBA1CK-223W | CAPACITOR | 0.022µF,16V |
| C1623 | NCBA1AK-473W | CAPACITOR | 0.047µF,10V |
| C1624 | NCB31EK-103X | CAPACITOR | 0.01µF,25V |
| C1625 | NCBA1AK-473W | CAPACITOR | 0.047µF,10V |
| C1626 | NCBA1HK-331W | CAPACITOR | 330pF,50V |
| C1627 | NCBA1CK-822W | CAPACITOR | 0.0082µF,16V |
| C1628 | NCB21CK-224X | CAPACITOR | 0.22µF,16V |
| C1632 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C1633 | NCF21CZ-684X | CAPACITOR | 0.68µF,16V |
| C1635 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C1641 | NCB31AK-474X | CAPACITOR | 0.47µF,10V |
| C1701 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C1702 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C2701 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C2907 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C3001 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C3003 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C3004 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C3005 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C3007 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C3008 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C3011 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3012 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3013 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3014 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3015 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3016 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3017 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3020 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3021 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3022 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3023 | NDC31HJ-330X | CAPACITOR | 33pF,50V |
| C3024 | NCBA1HK-102W | CAPACITOR | 0.001µF,50V |
| C3025 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3026 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C3027 | NCBA1EK-472W | CAPACITOR | 0.0047µF,25V |
| C3028 | NDCA1EJ-271W | CAPACITOR | 270pF,25V |
| C3029 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3030 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3031 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3032 | NCBA1HK-102W | CAPACITOR | 0.001µF,50V |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| C3033 | NDC31HJ-470X | CAPACITOR | 47pF,50V |
| C3034 | NCBA1HK-102W | CAPACITOR | 0.001µF,50V |
| C3035 | NDC31HJ-390X | CAPACITOR | 39pF,50V |
| C3038 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3039 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3040 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3041 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3042 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3043 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3044 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3045 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3046 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3047 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3051 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3052 | NCBA1HK-331W | CAPACITOR | 330pF,50V |
| C3053 | NCBA1AK-473W | CAPACITOR | 0.047µF,10V |
| C3056 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C3057 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3058 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3060 | NCB31CK-104X | CAPACITOR | 0.1µF,16V |
| C3061 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C3062 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3063 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3501 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C3502 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C3503 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C3504 | NCBA1AK-473W | CAPACITOR | 0.047µF,10V |
| C3505 | NCBA1CK-223W | CAPACITOR | 0.022µF,16V |
| C3506 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C3507 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3508 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3509 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3510 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3511 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3512 | NCB31CK-104X | CAPACITOR | 0.1µF,16V |
| C3513 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3514 | NCBA1AK-473W | CAPACITOR | 0.047µF,10V |
| C3515 | NCBA1AK-473W | CAPACITOR | 0.047µF,10V |
| C3516 | NCBA1AK-473W | CAPACITOR | 0.047µF,10V |
| C3517 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3518 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3519 | NCBA1HK-102W | CAPACITOR | 0.001µF,50V |
| C3520 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3521 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3522 | NBE90JM-475X | T CAPACITOR | 4.7µF,6.3V |
| C3523 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3524 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C3525 | NBE90JM-475X | T CAPACITOR | 4.7µF,6.3V |
| C3526 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3527 | NDCA1EJ-221W | CAPACITOR | 220pF,25V |
| C3701 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C3702 | NDCA1HJ-151W | CAPACITOR | 150pF,50V |
| C3703 | NDCA1HJ-330W | CAPACITOR | 33pF,50V |
| C3704 | NDCA1HJ-101W | CAPACITOR | 100pF,50V |
| C3705 | NDCA1HJ-330W | CAPACITOR | 33pF,50V |
| C3706 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3707 | NCFA1AZ-104W | CAPACITOR | 0.1µF,10V |
| C3708 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C3709 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3710 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C3711 | NBE90GM-226X | T CAPACITOR | 22µF,4.0V |
| C3712 | NBE40GM-107X | T CAPACITOR | 100µF,4.0V |
| C4201 | NBE40GM-107X | T CAPACITOR | 100µF,4.0V |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| C4202 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4203 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C4204 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4205 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4206 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C4207 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4208 | NCBA1HK-392W | CAPACITOR | 0.0039µF,50V |
| C4209 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C4210 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4211 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4212 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4213 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4214 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4215 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4216 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4301 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4303 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4304 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4305 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C4306 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4307 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C4308 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4309 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4310 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C4311 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C4312 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4313 | NBE90GM-226X | T CAPACITOR | 22µF,4.0V |
| C4314 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4315 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C4317 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4318 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4319 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4320 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4321 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4323 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4324 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C4325 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4327 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4328 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4329 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4330 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4331 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C4332 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4333 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4334 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4335 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4336 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4337 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4338 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4339 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4340 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4341 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4342 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4343 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4344 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4345 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4346 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4347 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4348 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4349 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C4350 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C5501 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C5503 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| C5504 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C5505 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C5506 | NBE20GM-476X | T CAPACITOR | 47µF,4.0V |
| C5507 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C5508 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C5509 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C5510 | NBP21VM-105X | T CAPACITOR | 1µF,35V |
| C5511 | NBP21DM-475X | T CAPACITOR | 4.7µF,20V |
| C5512 | NBE21AM-106X | T CAPACITOR | 10µF,10V |
| C5513 | NCB31CK-104X | CAPACITOR | 0.1µF,16V |
| C5514 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C5515 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C5516 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C5517 | NCB31CK-104X | CAPACITOR | 0.1µF,16V |
| C5518 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C5519 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C6001 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C6002 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C6003 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C6004 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C6005 | NBP21CM-685X | T CAPACITOR | 6.8µF,16V |
| C6006 | NCF31AZ-105X | CAPACITOR | 1µF,10V |
| C6007 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C6008 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C6009 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C6101 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6102 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6103 | NBPE1CM-106X | T CAPACITOR | 10µF,16V |
| C6104 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C6105 | NCF31AZ-105X | CAPACITOR | 1µF,10V |
| C6106 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C6107 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6108 | NCF31AZ-105X | CAPACITOR | 1µF,10V |
| C6109 | NCBA1EK-472W | CAPACITOR | 0.0047µF,25V |
| C6110 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C6111 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C6112 | NCBA1HK-272W | CAPACITOR | 0.0027µF,50V |
| C6113 | NCBA1EK-472W | CAPACITOR | 0.0047µF,25V |
| C6114 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C6115 | NCBA1HK-561W | CAPACITOR | 560pF,50V |
| C6116 | NCBA1HK-561W | CAPACITOR | 560pF,50V |
| C6117 | NCBA1HK-102W | CAPACITOR | 0.001µF,50V |
| C6118 | NCBA1HK-102W | CAPACITOR | 0.001µF,50V |
| C6120 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C6121 | NCBA1HK-102W | CAPACITOR | 0.001µF,50V |
| C6122 | NDCA1HJ-101W | CAPACITOR | 100pF,50V |
| C6123 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C6124 | NCF31AZ-105X | CAPACITOR | 1µF,10V |
| C6125 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6126 | NCB10JK-106X | CAPACITOR | 10µF,6.3V |
| C6127 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6128 | NCB10JK-106X | CAPACITOR | 10µF,6.3V |
| C6129 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6130 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6132 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6133 | NCB21AK-225X | CAPACITOR | 2.2µF,10V |
| C6135 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6136 | NCB10JK-106X | CAPACITOR | 10µF,6.3V |
| C6137 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6138 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6139 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6140 | NCB11EK-105X | CAPACITOR | 1µF,25V |
| C6141 | NCB11EK-105X | CAPACITOR | 1µF,25V |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| C6142 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6143 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C6144 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C6145 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C6147 | NCB31AK-224X | CAPACITOR | 0.22µF,10V |
| C6148 | NCBA1AK-683W | CAPACITOR | 0.068µF,10V |
| C6149 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C7401 | NCB21AK-105X | CAPACITOR | 1µF,10V |
| C7403 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C7404 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C7405 | NCB31HK-103X | CAPACITOR | 0.01µF,50V |
| C7406 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C7407 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C7408 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C7411 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C7413 | NBP41DM-106X | T CAPACITOR | 10µF,20V |
| C7414 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C7415 | NBE20GM-476X | T CAPACITOR | 47µF,4.0V |
| C7416 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C7418 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C7419 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C7420 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C7421 | NDCA1HJ-300W | CAPACITOR | 30pF,50V |
| C7422 | NDCA1EJ-221W | CAPACITOR | 220pF,25V |
| C7423 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C7424 | NCBA1EK-682W | CAPACITOR | 0.0068µF,25V |
| C7425 | NBE91AM-335X | T CAPACITOR | 3.3µF,10V |
| C7427 | NBP41DM-106X | T CAPACITOR | 10µF,20V |
| C7429 | NBE21AM-106X | T CAPACITOR | 10µF,10V |
| C7430 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C7431 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C7701 | NCB21EK-104X | CAPACITOR | 0.1µF,25V |
| C7702 | NBP41VM-335X | T CAPACITOR | 3.3µF,35V |
| C7802 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C7803 | NDCA1HJ-300W | CAPACITOR | 30pF,50V |
| C7804 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C7805 | NCBA1EK-682W | CAPACITOR | 0.0068µF,25V |
| C7806 | NBE91AM-335X | T CAPACITOR | 3.3µF,10V |
| C7807 | NDCA1EJ-221W | CAPACITOR | 220pF,25V |
| C7808 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C7809 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C7810 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C7811 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C7812 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C7816 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C7817 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C7818 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C7819 | NBP41DM-106X | T CAPACITOR | 10µF,20V |
| C7820 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C7821 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C7822 | NBE20GM-476X | T CAPACITOR | 47µF,4.0V |
| C7823 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C7825 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C7826 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C7827 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C7828 | NBP21DM-475X | T CAPACITOR | 4.7µF,20V |
| C7829 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C7830 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C7831 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C7832 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C7833 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C7836 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C7838 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| C7839 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C7841 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C8001 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C8003 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C8006 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8007 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C8008 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C8009 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8010 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C8011 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C8017 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8020 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C8021 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C8022 | NCB30JK-105X | CAPACITOR | 1µF,6.3V |
| C8043 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C8044 | NBE90GM-226X | T CAPACITOR | 22µF,4.0V |
| C8045 | NBE90GM-226X | T CAPACITOR | 22µF,4.0V |
| C8046 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C8049 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C8050 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C8051 | NBE90GM-226X | T CAPACITOR | 22µF,4.0V |
| C8052 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C8054 | NCB31HK-392X | CAPACITOR | 0.0039µF,50V |
| C8064 | NBE90GM-226X | T CAPACITOR | 22µF,4.0V |
| C8101 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C8102 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C8103 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C8104 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C8105 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C8106 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C8107 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C8108 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C8109 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C8110 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C8111 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C8112 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C8113 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C8114 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C8115 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C8116 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C8117 | NDCA1HJ-5R0W | CAPACITOR | 5pF,50V |
| C8118 | NDCA1HJ-5R0W | CAPACITOR | 5pF,50V |
| C8119 | NCBA1CK-103W | CAPACITOR | 0.01µF,16V |
| C8401 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| C8402 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8403 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8404 | NCBA1AK-104W | CAPACITOR | 0.1µF,10V |
| C8408 | NBE90JM-106X | T CAPACITOR | 10µF,6.3V |
| L1002 | NQR0129-002X | FERRITE BEAD | |
| L1101 | NQL402M-100X | COIL | 10µH |
| L1401 | NQR0006-001X | FERRITE BEAD | |
| L1601 | NQL315M-1R0X | COIL | 1µH |
| L2701 | NQR0129-002X | FERRITE BEAD | |
| L3001 | NQR0006-001X | FERRITE BEAD | |
| L3002 | NQR0129-002X | FERRITE BEAD | |
| L3003 | NQR0129-002X | FERRITE BEAD | |
| L3004 | NQR0006-001X | FERRITE BEAD | |
| L3005 | NQR0129-002X | FERRITE BEAD | |
| L3006 | NQR0006-001X | FERRITE BEAD | |
| L3007 | NQL085J-2R2X | COIL | 2.2µH |
| L3008 | NQL085J-120X | COIL | 12µH |
| L3009 | NQL085J-120X | COIL | 12µH |
| L3010 | NQR0383-003X | COIL | |

| # | ⚠ | REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|---|---|
| | | L3011 | NQR0383-003X | COIL | |
| | | L3012 | NQR0006-001X | FERRITE BEAD | |
| | | L3013 | NQR0006-001X | FERRITE BEAD | |
| | | L3501 | NQR0129-002X | FERRITE BEAD | |
| | | L3502 | NQL402M-100X | COIL | 10µH |
| | | L3503 | NQR0006-001X | FERRITE BEAD | |
| | | L3504 | NQR0006-001X | FERRITE BEAD | |
| | | L3505 | NQR0006-001X | FERRITE BEAD | |
| | | L3701 | NQL38DK-100X | COIL | 10µH |
| | | L4201 | NQR0129-002X | FERRITE BEAD | |
| | | L4301 | NQR0129-002X | FERRITE BEAD | |
| | | L4302 | NQR0129-002X | FERRITE BEAD | |
| | | L4303 | NQL38DK-100X | COIL | 10µH |
| | | L4304 | NQL38DK-220X | COIL | 22µH |
| | | L4305 | NQR0129-002X | FERRITE BEAD | |
| | | L4306 | NQR0129-002X | FERRITE BEAD | |
| | | L4307 | NQL38DK-100X | COIL | 10µH |
| | | L5501 | NQL38DK-100X | COIL | 10µH |
| | | L5502 | NQR0129-002X | FERRITE BEAD | |
| | | L5503 | NQR0129-002X | FERRITE BEAD | |
| | | L5504 | NQR0129-002X | FERRITE BEAD | |
| | | L5505 | NQL38DK-100X | COIL | 10µH |
| | | L5506 | NQL38DK-100X | COIL | 10µH |
| | | L6001 | NQL402M-100X | COIL | 10µH |
| | | L6101 | NQL58EM-100X | COIL | 10µH |
| | | L6102 | NQL58EM-100X | COIL | 10µH |
| | | L6103 | NQLZ010-390X | COIL | 39µH |
| | | L6104 | NQL58EM-390X | COIL | 39µH |
| | | L6105 | NQL58EM-390X | COIL | 39µH |
| | | L6106 | NQL58EM-220X | COIL | 22µH |
| | | L6107 | NQL58EM-330X | COIL | 33µH |
| | | L6108 | NQLZ011-221X | COIL | 220µH |
| | | L6109 | NQL144K-220X | COIL | 22µH |
| | | L7401 | NQL025J-100X | COIL | 10µH |
| | | L7402 | NQL38DK-220X | COIL | 22µH |
| | | L7403 | NQL38DK-220X | COIL | 22µH |
| | | L7404 | NQL38DK-220X | COIL | 22µH |
| | | L7701 | NQL38DK-220X | COIL | 22µH |
| | | L7801 | NQL38DK-220X | COIL | 22µH |
| | | L7802 | NQL38DK-220X | COIL | 22µH |
| | | L7803 | NQL025J-3R9X | COIL | 3.9µH |
| | | L7805 | NQL38DK-220X | COIL | 22µH |
| | | L8001 | NQR0129-002X | FERRITE BEAD | |
| | | L8002 | NQR0129-002X | FERRITE BEAD | |
| | | L8003 | NQR0129-002X | FERRITE BEAD | |
| | | L8005 | NQR0129-002X | FERRITE BEAD | |
| | | L8006 | NQR0129-002X | FERRITE BEAD | |
| | | L8007 | NQR0129-002X | FERRITE BEAD | |
| | | L8008 | NQR0129-002X | FERRITE BEAD | |
| | | L8010 | NQR0129-002X | FERRITE BEAD | |
| | | L8011 | NQR0129-002X | FERRITE BEAD | |
| | | L8101 | NQR0006-001X | FERRITE BEAD | |
| | | L8102 | NQR0006-001X | FERRITE BEAD | |
| | | L8401 | NQR0129-002X | FERRITE BEAD | |
| | | L8402 | NQR0129-002X | FERRITE BEAD | |
| | | X1001 | NAX0474-001X | C OSCILLATOR | |
| | | X1002 | NAX0399-001X | CRYSTAL RESONATOR | |
| | | X1401 | NAX0204-001X | CRYSTAL RESONATOR | |
| | | X5501 | NAX0303-001X | CXO | |
| | | X8002 | NAX0354-001X | RESONATOR | |
| | | X8101 | NAX0402-001X | CRYSTAL RESONATOR | |
| | | X8401 | NAX0398-001X | C OSCILLATOR | |
| | | S1001 | NSW0133-001X | PUSH SWITCH,MONI SW | |

| # | ⚠ | REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|---|---|
| | | TB1 | LY32205-001A | BATTERY TERMINAL UNIT | |
| | | J101 | QNZ0518-001 | D CONNECTOR | |
| | | CN101 | QGF0517F1-08X | FPC CONNECTOR | |
| | | CN102 | QGF0517F1-06X | FPC CONNECTOR | |
| | | CN103 | QGF0517F1-06X | FPC CONNECTOR | |
| | | CN104 | QGF0517F2-11X | FPC CONNECTOR | |
| | | CN105 | QGF0517F2-18X | FPC CONNECTOR | |
| | | CN106 | QGF0517F2-16X | FPC CONNECTOR | |
| | | CN107 | QGB0404M1-50X | CONNECTOR | |
| | | CN108 | QGA1001F1-02X | CONNECTOR | |
| | | CN109 | QGF0520F2-13X | FFC/FPC CONNECTOR | |
| | | CN110 | QGB0405L1-C0X | CONNECTOR | |
| | | CN111 | QGF0517F1-20X | FPC CONNECTOR | |
| | | CN112 | QGF0517F1-07X | FPC CONNECTOR | |
| | | CN113 | QGF0306F1-39X | FPC CONNECTOR | |
| | | CN114 | QGB0512L4-40X | CONNECTOR | |
| | ⚠ | F6101 | NMFZ007-2R0X-K | FUSE | T2.0A,50V |
| | ⚠ | F6102 | NMFZ007-2R0X-K | FUSE | T2.0A,50V |
| | ⚠ | F6103 | NMFZ007-1R0X-K | FUSE | T1.0A,32V |
| | | OT1 | LY30029-0J6A | SPACER(A) | |
| | | OT2 | LY30029-0K2A | SPACER(A) | |
| | | OT3 | LY30029-0K3A | SPACER(A) | |
| | ⚠ | OT4 | LY43187-001A | LABEL(FUSE) | |
| | | OT5 | LY30017-026A | SPACER-B | |
| | | OT6 | LY30029-0M5A | SPACER(A) | |
| | | SD1 | LY32271-001A | SHIELD CASE(PR) | |

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## AUDIO BOARD ASSEMBLY <02>

| | | | |
|---|---|---|---|
| | PW | YB10328A-01 | AUDIO BOARD ASSY |
| | IC2101 | AK4550VT | IC |
| | IC2151 | AK4550VT | IC |
| | IC2201 | LA74206W | IC |
| | IC2301 | BA4510FV | IC |
| | IC4802 | TA75W01FU | IC |
| | IC4803 | TA75W01FU | IC |
| | IC4804 | NJM3414AV | IC |
| | IC4805 | MM6564XFBE | IC |
| | IC4806 | TC7S08FU | IC(DIGITAL) |
| | IC4851 | UPD16879GS | IC |
| | Q1151 | RPM-22PB | PHOTO TRANSISTOR |
| | Q2001 | DTC143XE | TRANSISTOR |
| | Q2151 | UMX18N | PAIR TRANSISTOR |
| | Q2302 | 2SC5658 | TRANSISTOR |
| | Q2401 | 2SC5658 | TRANSISTOR |
| | Q2402 | 2SA1774/QR/-X | TRANSISTOR |
| | Q2403 | DTC144EM | TRANSISTOR |
| | Q2601 | 2SC5658 | TRANSISTOR |
| | Q2602 | 2SC5658 | TRANSISTOR |
| | Q2603 | 2SC5658 | TRANSISTOR |
| | Q2604 | 2SC5658 | TRANSISTOR |
| | Q2901 | 2SB1121/TU/-X | TRANSISTOR |
| | | or 2SB1121/ST/-X | TRANSISTOR |
| | Q2902 | 2SC5658 | TRANSISTOR |
| | Q4801 | 2SC4655/BC/-X | TRANSISTOR |
| | Q4802 | 2SC5658 | TRANSISTOR |
| | Q4803 | DTC144EM | TRANSISTOR |
| | Q4804 | DTA144EM | TRANSISTOR |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| Q4805 | 2SC5658 | TRANSISTOR | |
| Q4806 | 2SA1774/QR/-X | TRANSISTOR | |
| Q4851 | 2SC5658 | TRANSISTOR | |
| D2001 | CL-221HR-C-X | LE DIODE | |
| D2901 | EMZ6.8N | ZENER DIODE | |
| | or DF3A6.8FE | ZENER DIODE | |
| D2902 | EMZ6.8N | ZENER DIODE | |
| | or DF3A6.8FE | ZENER DIODE | |
| D2903 | EMZ6.8N | ZENER DIODE | |
| | or DF3A6.8FE | ZENER DIODE | |
| R1151 | NRSA6AJ-302W | MG RESISTOR | 3kΩ,1/16W |
| R2001 | NRSA6AJ-471W | MG RESISTOR | 470Ω,1/16W |
| R2101 | NRSA6AJ-471W | MG RESISTOR | 470Ω,1/16W |
| R2102 | NRSA6AJ-471W | MG RESISTOR | 470Ω,1/16W |
| R2103 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R2104 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R2105 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R2151 | NRSA6AJ-471W | MG RESISTOR | 470Ω,1/16W |
| R2152 | NRSA6AJ-471W | MG RESISTOR | 470Ω,1/16W |
| R2153 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R2154 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R2157 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R2158 | NRSA6AJ-332W | MG RESISTOR | 3.3kΩ,1/16W |
| R2159 | NRSA6AJ-564W | MG RESISTOR | 560kΩ,1/16W |
| R2160 | NRSA6AJ-564W | MG RESISTOR | 560kΩ,1/16W |
| R2161 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R2162 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R2201 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R2202 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R2206 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R2209 | NRSA6AJ-2R7W | MG RESISTOR | 2.7Ω,1/16W |
| R2210 | NRSA6AJ-2R7W | MG RESISTOR | 2.7Ω,1/16W |
| R2211 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R2212 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R2213 | NRSA6AJ-823W | MG RESISTOR | 82kΩ,1/16W |
| R2214 | NRSA6AJ-392W | MG RESISTOR | 3.9kΩ,1/16W |
| R2215 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R2218 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R2219 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R2220 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R2223 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R2224 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R2225 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R2226 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R2301 | NRSA6AJ-560W | MG RESISTOR | 56Ω,1/16W |
| R2302 | NRSA6AJ-560W | MG RESISTOR | 56Ω,1/16W |
| R2303 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| R2305 | NRSA6AJ-183W | MG RESISTOR | 18kΩ,1/16W |
| R2306 | NRSA6AJ-183W | MG RESISTOR | 18kΩ,1/16W |
| R2307 | NRSA6AJ-183W | MG RESISTOR | 18kΩ,1/16W |
| R2308 | NRSA6AJ-183W | MG RESISTOR | 18kΩ,1/16W |
| R2309 | NRSA6AJ-184W | MG RESISTOR | 180kΩ,1/16W |
| R2310 | NRSA6AJ-184W | MG RESISTOR | 180kΩ,1/16W |
| R2311 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R2312 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R2313 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R2314 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R2325 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R2326 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R2327 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R2328 | NRSA6AJ-682W | MG RESISTOR | 6.8kΩ,1/16W |
| R2402 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R2403 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| R2404 | NRSA6AJ-332W | MG RESISTOR | 3.3kΩ,1/16W |
| R2405 | NRSA6AJ-822W | MG RESISTOR | 8.2kΩ,1/16W |
| R2406 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R2414 | NRSA6AJ-560W | MG RESISTOR | 56Ω,1/16W |
| R2415 | NRSA6AJ-560W | MG RESISTOR | 56Ω,1/16W |
| R2601 | NRSA6AJ-182W | MG RESISTOR | 1.8kΩ,1/16W |
| R2602 | NRSA6AJ-182W | MG RESISTOR | 1.8kΩ,1/16W |
| R2603 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R2604 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R2605 | NRSA6AJ-682W | MG RESISTOR | 6.8kΩ,1/16W |
| R2606 | NRSA6AJ-682W | MG RESISTOR | 6.8kΩ,1/16W |
| R2607 | NRSA6AJ-332W | MG RESISTOR | 3.3kΩ,1/16W |
| R2609 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R2610 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R2611 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R2612 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R2613 | NRSA6AJ-332W | MG RESISTOR | 3.3kΩ,1/16W |
| R2614 | NRSA6AJ-332W | MG RESISTOR | 3.3kΩ,1/16W |
| R2615 | NRSA6AJ-123W | MG RESISTOR | 12kΩ,1/16W |
| R2616 | NRSA6AJ-123W | MG RESISTOR | 12kΩ,1/16W |
| R2617 | NRSA6AJ-333W | MG RESISTOR | 33kΩ,1/16W |
| R2618 | NRSA6AJ-333W | MG RESISTOR | 33kΩ,1/16W |
| R2619 | NRSA6AJ-153W | MG RESISTOR | 15kΩ,1/16W |
| R2620 | NRSA6AJ-153W | MG RESISTOR | 15kΩ,1/16W |
| R2621 | NRSA6AJ-153W | MG RESISTOR | 15kΩ,1/16W |
| R2622 | NRSA6AJ-153W | MG RESISTOR | 15kΩ,1/16W |
| R2625 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R2626 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R2627 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R2628 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R2903 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R2905 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R2906 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R2907 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R2908 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R2919 | NRSA6AJ-105W | MG RESISTOR | 1MΩ,1/16W |
| R2920 | NRSA6AJ-105W | MG RESISTOR | 1MΩ,1/16W |
| R4804 | NRSA6AJ-564W | MG RESISTOR | 560kΩ,1/16W |
| R4805 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R4806 | NRSA6AJ-683W | MG RESISTOR | 68kΩ,1/16W |
| R4807 | NRSA6AJ-683W | MG RESISTOR | 68kΩ,1/16W |
| R4808 | NRSA6AJ-243W | MG RESISTOR | 24kΩ,1/16W |
| R4809 | NRSA6AJ-331W | MG RESISTOR | 330Ω,1/16W |
| R4810 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R4811 | NRSA6AJ-564W | MG RESISTOR | 560kΩ,1/16W |
| R4812 | NRSA6AJ-153W | MG RESISTOR | 15kΩ,1/16W |
| R4814 | NRSA6AJ-105W | MG RESISTOR | 1MΩ,1/16W |
| R4815 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R4816 | NRSA6AJ-105W | MG RESISTOR | 1MΩ,1/16W |
| R4817 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R4818 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R4819 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R4820 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R4821 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R4822 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R4823 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R4824 | NRSA6AJ-472W | MG RESISTOR | 4.7kΩ,1/16W |
| R4825 | NRSA6AJ-222W | MG RESISTOR | 2.2kΩ,1/16W |
| R4826 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R4828 | NRSA6AJ-183W | MG RESISTOR | 18kΩ,1/16W |
| R4829 | NRSA6AJ-122W | MG RESISTOR | 1.2kΩ,1/16W |
| R4830 | NRSA6AJ-222W | MG RESISTOR | 2.2kΩ,1/16W |
| R4831 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| R4832 | NRSA6AJ-333W | MG RESISTOR | 33kΩ,1/16W |
| R4833 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R4834 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R4836 | NRSA6AJ-561W | MG RESISTOR | 560Ω,1/16W |
| R4841 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R4842 | NRSA6AJ-103W | MG RESISTOR | 10kΩ,1/16W |
| R4848 | NRSA6AJ-101W | MG RESISTOR | 100Ω,1/16W |
| R4856 | NRSA63J-6R8X | MG RESISTOR | 6.8Ω,1/16W |
| R4857 | NRSA63J-6R8X | MG RESISTOR | 6.8Ω,1/16W |
| R4858 | NRSA6AJ-333W | MG RESISTOR | 33kΩ,1/16W |
| R4862 | NRSA63J-6R8X | MG RESISTOR | 6.8Ω,1/16W |
| R4863 | NRSA63J-6R8X | MG RESISTOR | 6.8Ω,1/16W |
| R4864 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R4865 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R4866 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R4867 | NRSA6AJ-102W | MG RESISTOR | 1kΩ,1/16W |
| R4868 | NRSA6AJ-101W | MG RESISTOR | 100Ω,1/16W |
| R4870 | NRSA6AJ-271W | MG RESISTOR | 270Ω,1/16W |
| R9901 | NRSA6AJ-104W | MG RESISTOR | 100kΩ,1/16W |
| R9902 | NRSA6AJ-153W | MG RESISTOR | 15kΩ,1/16W |
| R9903 | NRSA6AJ-183W | MG RESISTOR | 18kΩ,1/16W |
| R9904 | NRSA6AJ-273W | MG RESISTOR | 27kΩ,1/16W |
| C1151 | NBE90JM-106X | T CAPACITOR | 10μF,6.3V |
| C1152 | NCB21EK-683X-R | CAPACITOR | 0.068μF,25V |
| C2101 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2102 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2103 | NCBA1HK-222W | CAPACITOR | 0.0022μF,50V |
| C2104 | NCBA1HK-222W | CAPACITOR | 0.0022μF,50V |
| C2105 | NBEJ0JM-475X | T CAPACITOR | 4.7μF,6.3V |
| C2106 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C2107 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C2108 | NBEJ0GM-106X | T CAPACITOR | 10μF,4.0V |
| C2151 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2152 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2153 | NCBA1HK-222W | CAPACITOR | 0.0022μF,50V |
| C2154 | NCBA1HK-222W | CAPACITOR | 0.0022μF,50V |
| C2155 | NBEJ0JM-475X | T CAPACITOR | 4.7μF,6.3V |
| C2156 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C2157 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C2163 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2164 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2201 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2202 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2205 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C2206 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C2207 | NBLJ0JM-106X | T CAPACITOR | 10μF,6.3V |
| C2208 | NBLJ0JM-106X | T CAPACITOR | 10μF,6.3V |
| C2210 | NBEJ0JM-475X | T CAPACITOR | 4.7μF,6.3V |
| C2211 | NBLJ0JM-106X | T CAPACITOR | 10μF,6.3V |
| C2212 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C2213 | NBEE0JM-476X | T CAPACITOR | 47μF,6.3V |
| C2214 | NBLJ0JM-106X | T CAPACITOR | 10μF,6.3V |
| C2215 | NCB31CK-104X | CAPACITOR | 0.1μF,16V |
| C2216 | NCB31CK-104X | CAPACITOR | 0.1μF,16V |
| C2217 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C2219 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2220 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| C2221 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2222 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2301 | NBLJ0JM-106X | T CAPACITOR | 10μF,6.3V |
| C2303 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2304 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2305 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| C2306 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2307 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2308 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2311 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| C2312 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2402 | NBLJ0JM-106X | T CAPACITOR | 10μF,6.3V |
| C2405 | NBE20JM-106X | T CAPACITOR | 10μF,6.3V |
| C2406 | NBE40JM-476X | T CAPACITOR | 47μF,6.3V |
| C2603 | NCBA1AK-333W | CAPACITOR | 0.033μF,10V |
| C2604 | NCBA1AK-333W | CAPACITOR | 0.033μF,10V |
| C2605 | NCBA1CK-153W | CAPACITOR | 0.015μF,16V |
| C2606 | NCBA1CK-153W | CAPACITOR | 0.015μF,16V |
| C2607 | NBEJ0JM-475X | T CAPACITOR | 4.7μF,6.3V |
| C2608 | NBEJ0JM-475X | T CAPACITOR | 4.7μF,6.3V |
| C2609 | NCB31CK-273X | CAPACITOR | 0.027μF,16V |
| C2610 | NCB31CK-273X | CAPACITOR | 0.027μF,16V |
| C2613 | NCB31CK-333X | CAPACITOR | 0.033μF,16V |
| C2614 | NCB31CK-333X | CAPACITOR | 0.033μF,16V |
| C2615 | NCBA1HK-332W | CAPACITOR | 0.0033μF,50V |
| C2616 | NCBA1HK-332W | CAPACITOR | 0.0033μF,50V |
| C2619 | NCBA1HK-152W | CAPACITOR | 0.0015μF,50V |
| C2620 | NCBA1HK-152W | CAPACITOR | 0.0015μF,50V |
| C2621 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C2622 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C2623 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2624 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C2625 | NCB31CK-104X | CAPACITOR | 0.1μF,16V |
| C2626 | NCB31CK-104X | CAPACITOR | 0.1μF,16V |
| C2627 | NBE20GM-336X | T CAPACITOR | 33μF,4.0V |
| C2630 | NCBA1CK-153W | CAPACITOR | 0.015μF,16V |
| C2631 | NCBA1CK-153W | CAPACITOR | 0.015μF,16V |
| C2901 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C2904 | NCBA1CK-103W | CAPACITOR | 0.01μF,16V |
| C4803 | NBLJ0JM-106X | T CAPACITOR | 10μF,6.3V |
| C4804 | NCFA1AZ-104W | CAPACITOR | 0.1μF,10V |
| C4805 | NCFA1AZ-104W | CAPACITOR | 0.1μF,10V |
| C4806 | NCFA1AZ-104W | CAPACITOR | 0.1μF,10V |
| C4808 | NCB30JK-105X | CAPACITOR | 1μF,6.3V |
| C4809 | NCFA1AZ-104W | CAPACITOR | 0.1μF,10V |
| C4810 | NCFA1HZ-103W | CAPACITOR | 0.01μF,50V |
| C4811 | NCFA1HZ-103W | CAPACITOR | 0.01μF,50V |
| C4812 | NCFA1AZ-104W | CAPACITOR | 0.1μF,10V |
| C4813 | NCFA1AZ-104W | CAPACITOR | 0.1μF,10V |
| C4814 | NCFA1AZ-104W | CAPACITOR | 0.1μF,10V |
| C4815 | NCB31HK-152X | CAPACITOR | 0.0015μF,50V |
| C4819 | NCF31CZ-104X | CAPACITOR | 0.1μF,16V |
| C4851 | NBLJ0JM-106X | T CAPACITOR | 10μF,6.3V |
| C4852 | NCFA1AZ-104W | CAPACITOR | 0.1μF,10V |
| C4853 | NBLJ1AM-475X | T CAPACITOR | 4.7μF,10V |
| C4854 | NBE20JM-106X | T CAPACITOR | 10μF,6.3V |
| C4855 | NCB31CK-104X | CAPACITOR | 0.1μF,16V |
| C4858 | NDCA1HJ-680W | CAPACITOR | 68pF,50V |
| C4859 | NCBA1AK-473W | CAPACITOR | 0.047μF,10V |
| C4860 | NCBA1AK-473W | CAPACITOR | 0.047μF,10V |
| C4861 | NCBA1HK-102W | CAPACITOR | 0.001μF,50V |
| C4862 | NCBA1HK-102W | CAPACITOR | 0.001μF,50V |
| C4864 | NBLJ0JM-106X | T CAPACITOR | 10μF,6.3V |
| C4865 | NCBA1AK-104W | CAPACITOR | 0.1μF,10V |
| L1151 | NQR0265-001X | FERRITE BEAD | |
| L2101 | NQL402M-100X | COIL | 10μH |
| L2402 | NQL402M-100X | COIL | 10μH |
| L2601 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| L2602 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|
| L2603 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| L2901 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| L2902 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| L2903 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| L2904 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| L2905 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| L2906 | NRSA6AJ-0R0W | MG RESISTOR | 0Ω,1/16W |
| L2907 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| L2908 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| L2909 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| L2910 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| L2911 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| L4802 | NQL302N-100X | COIL | 10µH |
| L4851 | NQR0129-002X | FERRITE BEAD | |
| L4852 | NQL38DK-100X | COIL | 10µH |
| L4853 | NQL38DK-100X | COIL | 10µH |
| SW2001 | NSW0133-001X | PUSH SWITCH,VF SW | |
| S9901 | NSW0145-001X | TACT SWITCH,BACK LIGHT | |
| S9902 | NSW0145-001X | TACT SWITCH,EXPOSURE | |
| S9903 | NSW0145-001X | TACT SWITCH,FOCUS | |
| S9904 | NSW0099-001X | SLIDE SWITCH,VIDEO/MEMORY | |
| CN201 | QGB0405M1-C0X | CONNECTOR | |
| CN202 | QGF0517F1-16X | FPC CONNECTOR | |
| CN203 | QGA1001F1-04X | CONNECTOR | |
| CN204 | QGF0517F2-20X | FPC CONNECTOR | |
| CN205 | QGF0517F2-24X | FPC CONNECTOR | |
| OT1 | LY43197-001A | SHEET(TARRY) | |
| OT2 | LY43161-001A | SHEET(AU-OP PWB) | |
| OT3 | LY30029-0L6A | SPACER(A) | |

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## BOTTOM BOARD ASSEMBLY <03>

| | | | |
|---|---|---|---|
| PW1 | YB10329A1-01 | BOTT0M BOARD ASSY | |
| IC1801 | RS-151-X | IC(PHOTO SENSOR) | |
| R1801 | NRSA63J-470X | MG RESISTOR | 47Ω,1/16W |
| R2801 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R2802 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R2803 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R2804 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R2805 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| R2806 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| R2807 | NRSA6AJ-473W | MG RESISTOR | 47kΩ,1/16W |
| B301 | QAB0040-001 | LI BATTERY | |
| C2801 | NCB31HK-102X | CAPACITOR | 0.001µF,50V |
| C2802 | NCB31HK-102X | CAPACITOR | 0.001µF,50V |
| L2801 | NQR0251-004X | FERRITE BEAD | |
| L2802 | NQR0251-004X | FERRITE BEAD | |
| L2803 | NQR0251-004X | FERRITE BEAD | |
| J301 | QNS0078-001 | 3.5 JACK | |
| CN301 | QGB0404L1-50X | CONNECTOR | |
| CN302 | LY32206-001A | MULTI.CONNECTOR | |
| CN303 | NNZ0055-001X | SD CARD CONNECTOR | |
| OT1 | LY30029-0N5A | SPACER(A) | |
| OT2 | LY30029-0N5A | SPACER(A) | |
| OT3 | LY30029-0N6A | SPACER(A) | |
| OT4 | LY43222-001B | S.SHEET(B.PWB) | |
| OT5 | LY30017-023A | SPACER-B | |
| OT6 | LY30029-0L2A | SPACER(A) | |
| OT7 | LY30029-0K4A | SPACER(A) | |

| # ⚠ REF No. | PART No. | PART NAME, DESCRIPTION | |
|---|---|---|---|

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## MONITOR BOARD ASSEMBLY <04>

| | | | |
|---|---|---|---|
| PW | YB20907A-01 | MONITOR BOARD ASSY | |
| Q7101 | UMD3N | TRANSISTOR | |
| Q7102 | 2SC4617/RS/-X | TRANSISTOR | |
| Q7103 | XP6501 | TRANSISTOR | |
| Q7104 | XP6501 | TRANSISTOR | |
| D7201 | UDZ2.7B | ZENER DIODE | |
| R7101 | NRSA63D-562X | MG RESISTOR | 5.6kΩ,1/16W |
| R7102 | NRSA63D-151X | MG RESISTOR | 150Ω,1/16W |
| R7104 | NRSA63D-240X | MG RESISTOR | 24Ω,1/16W |
| R7105 | NRSA63D-240X | MG RESISTOR | 24Ω,1/16W |
| R7108 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| R7201 | NRSA63J-103X | MG RESISTOR | 10kΩ,1/16W |
| C7101 | NCB21CK-104X | CAPACITOR | 0.1µF,16V |
| C7102 | NCB21CK-104X | CAPACITOR | 0.1µF,16V |
| C7201 | NCB21CK-104X | CAPACITOR | 0.1µF,16V |
| C7202 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C7203 | NCB21CK-105X | CAPACITOR | 1µF,16V |
| C7205 | NBE81AM-106X | T CAPACITOR | 10µF,10V |
| CN401 | QGF0304F1-33X | FFC/FPC CONNECTOR | |
| CN402 | QGF0517F1-24X | FPC CONNECTOR | |

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## CCD BOARD ASSEMBLY <05>

| | | | |
|---|---|---|---|
| PW | YB20906A-01 | CCD BOARD ASSY | |
| Q5001 | 2SC3931/CD/-X | TRANSISTOR | |
| Q5002 | 2SC4081/RS/-X | TRANSISTOR | |
| R5001 | NRSA63J-472X | MG RESISTOR | 4.7kΩ,1/16W |
| R5002 | NRSA63J-0R0X | MG RESISTOR | 0Ω,1/16W |
| R5003 | NRSA63J-104X | MG RESISTOR | 100kΩ,1/16W |
| R5005 | NRSA63J-103X | MG RESISTOR | 10kΩ,1/16W |
| C5001 | NCB31CK-104X | CAPACITOR | 0.1µF,16V |
| C5002 | NBP41DM-106X | T CAPACITOR | 10µF,20V |
| C5003 | NCB31CK-104X | CAPACITOR | 0.1µF,16V |
| C5004 | NBE21AM-106X | T CAPACITOR | 10µF,10V |
| C5005 | NCB31CK-104X | CAPACITOR | 0.1µF,16V |
| C5006 | NCB21EK-104X | CAPACITOR | 0.1µF,25V |
| C5007 | NCB31HK-222X | CAPACITOR | 0.0022µF,50V |
| C5011 | NCB21CK-105X | CAPACITOR | 1µF,16V |

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## EJECT BOARD ASSEMBLY <06>

| | | | |
|---|---|---|---|
| PW2 | YB10329A2 | EJECT BOARD ASSY | |
| S1 | NSW0095-001X | DETECT SWITCH,EJECT SW | |
| WR1 | WJM0209-001A | E-SI C WIRE C-F,EJECT PWB-MAIN CN108 | |

# SECTION 4
# CHARTS AND DIAGRAMS

## NOTES OF SCHEMATIC DIAGRAM

**Safety precautions**
**The Components identified by the symbol ⚠ are critical for safety. For continued safety, replace safety critical components only with manufacturer's recommended parts.**

### 1. Units of components on the schematic diagram

Unless otherwise specified.

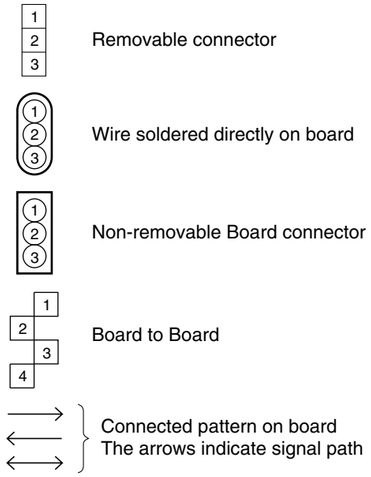
1) All resistance values are in ohm. 1/6 W, 1/8 W (refer to parts list).
   Chip resistors are 1/16 W.
   K: KΩ (1000Ω), M: MΩ (1000KΩ)
2) All capacitance values are in μF, (P: PF).
3) All inductance values are in μH, (m: mH).
4) All diodes are 1SS133, MA165 or 1N4148M (refer to parts list).

### 2. Indications of control voltage

AUX : Active at high.

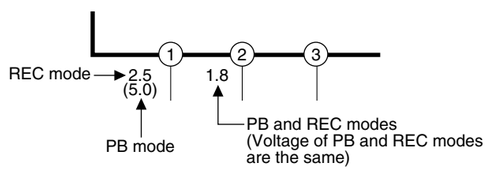
$\overline{\text{AUX}}$ or AUX(L) : Active at low.

### 3. Interpreting Connector indications




### 4. Voltage measurement

1) Regulator (DC/DC CONV) circuits
   REC : Colour bar signal.
   PB : Alignment tape (Colour bar).
   — : Unmeasurable or unnecessary to measure.
4) Indication on schematic diagram
   Voltage Indications for REC and PB mode on the schematic diagram are as shown below.




**Note: If the voltages are not indicated on the schematic diagram, refer to the voltage charts.**

### 5. Signal path Symbols

The arrows indicate the signal path as follows.

**NOTE : The arrow is DVC unique object.**

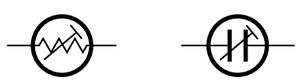
- Playback signal path
- Playback and recording signal path
- Recording signal path (including E-E signal path)
- Capstan servo path
- Drum servo path

(Example)

- R-Y — Playback R-Y signal path
- Y — Recording Y signal path

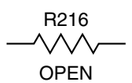
### 6. Indication of the parts for adjustments

The parts for the adjustments are surrounded with the circle as shown below.



### 7. Indication of the parts not mounted on the circuit board

"OPEN" is indicated by the parts not mounted on the circuit board.



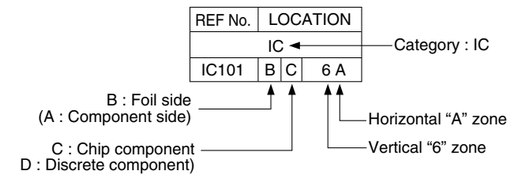

## CIRCUIT BOARD NOTES

### 1. Foil and Component sides

1) Foil side (B side) :
   Parts on the foil side seen from foil face (pattern face) are indicated.
2) Component side (A side) :
   Parts on the component side seen from component face (parts face) indicated.

### 2. Parts location guides

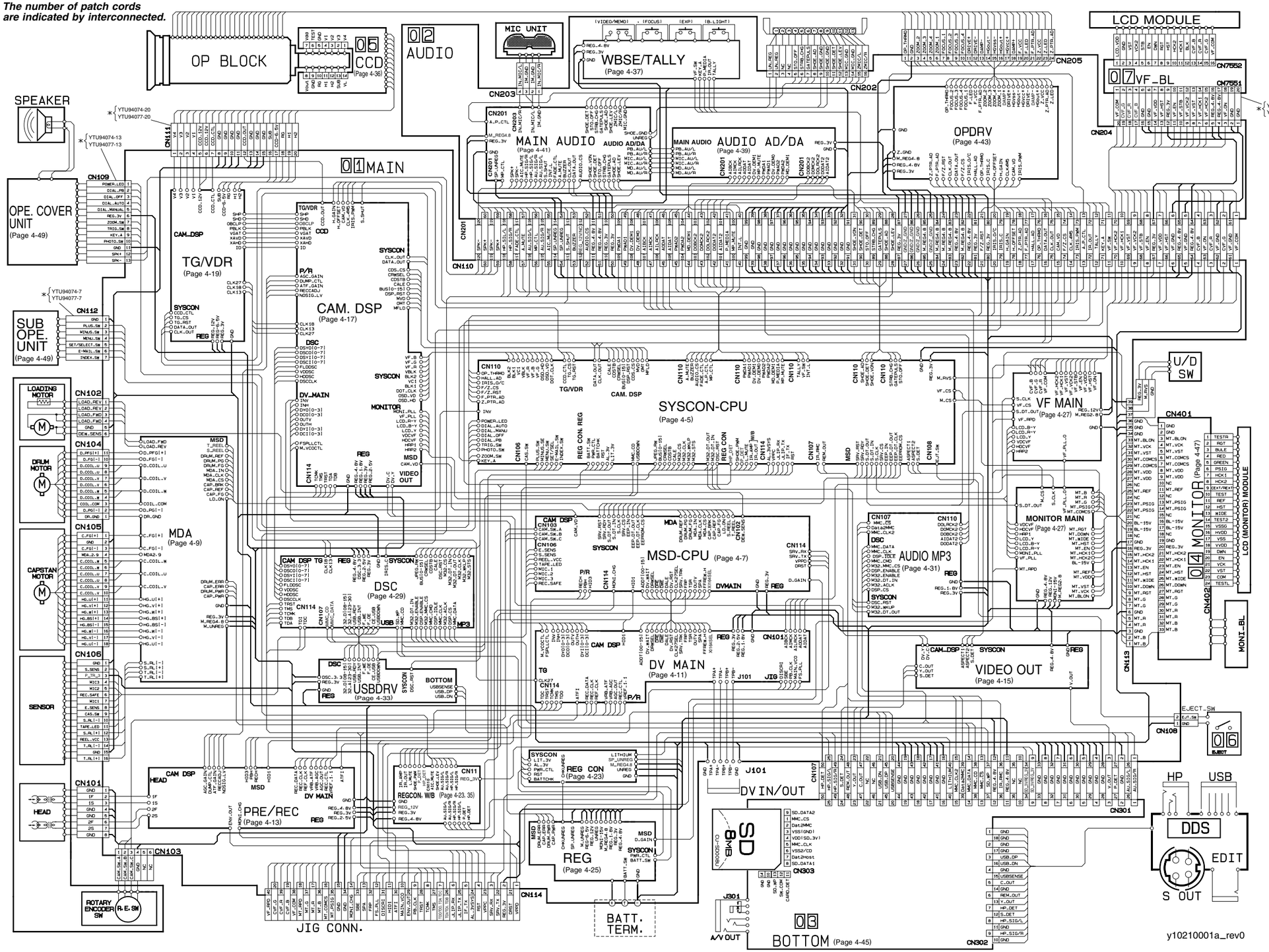
Parts location are indicated by guide scale on the circuit board.




**Note: For general information in service manual, please refer to the Service Manual of GENERAL INFORMATION Edition 4 No. 82054D (January 1994).**

## 4.1 BOARD INTERCONNECTIONS

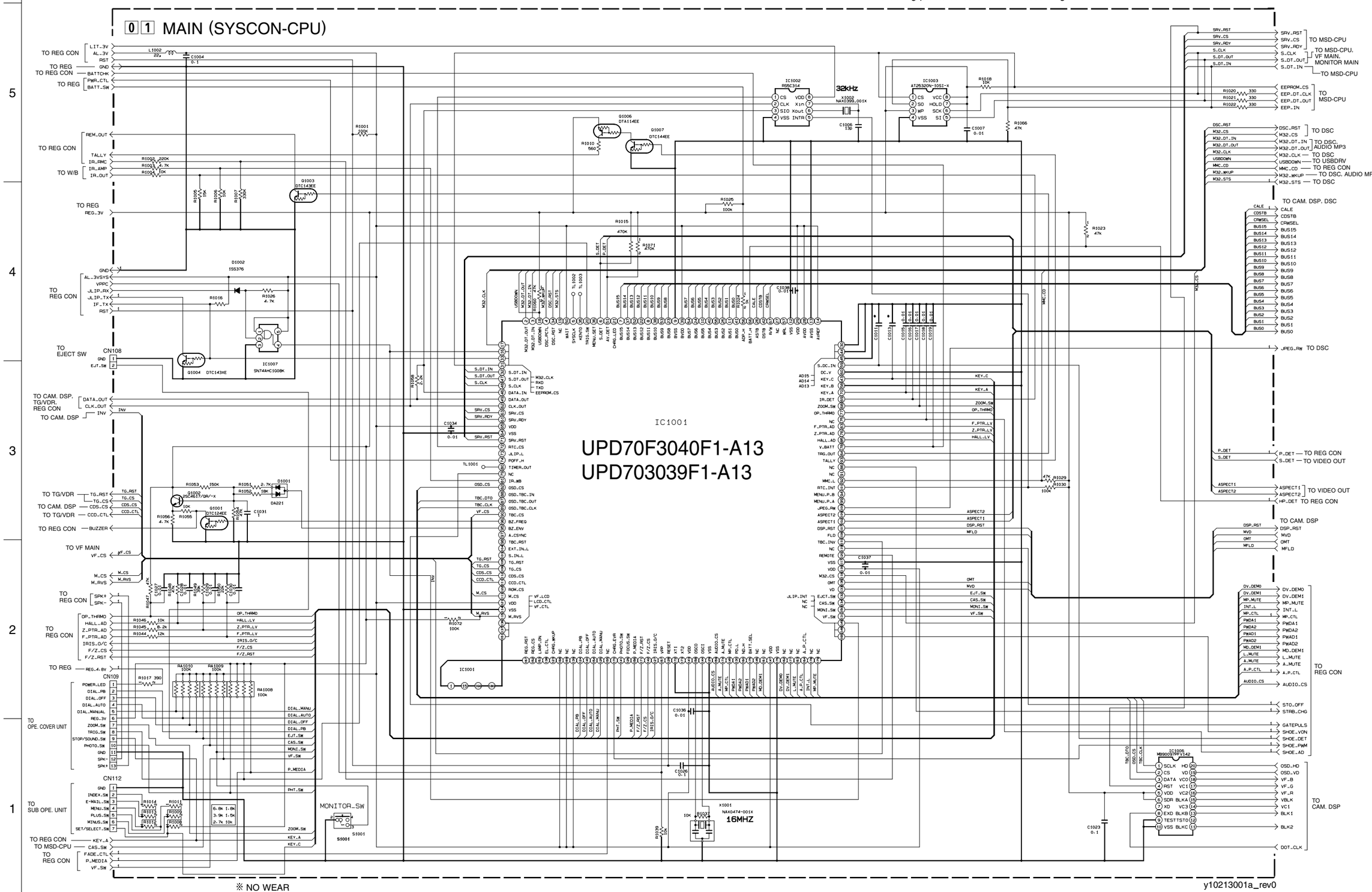
***NOTE ) ∗ : The number of patch cords are indicated by interconnected.***




A B C D 4-3 4-4 E F G H

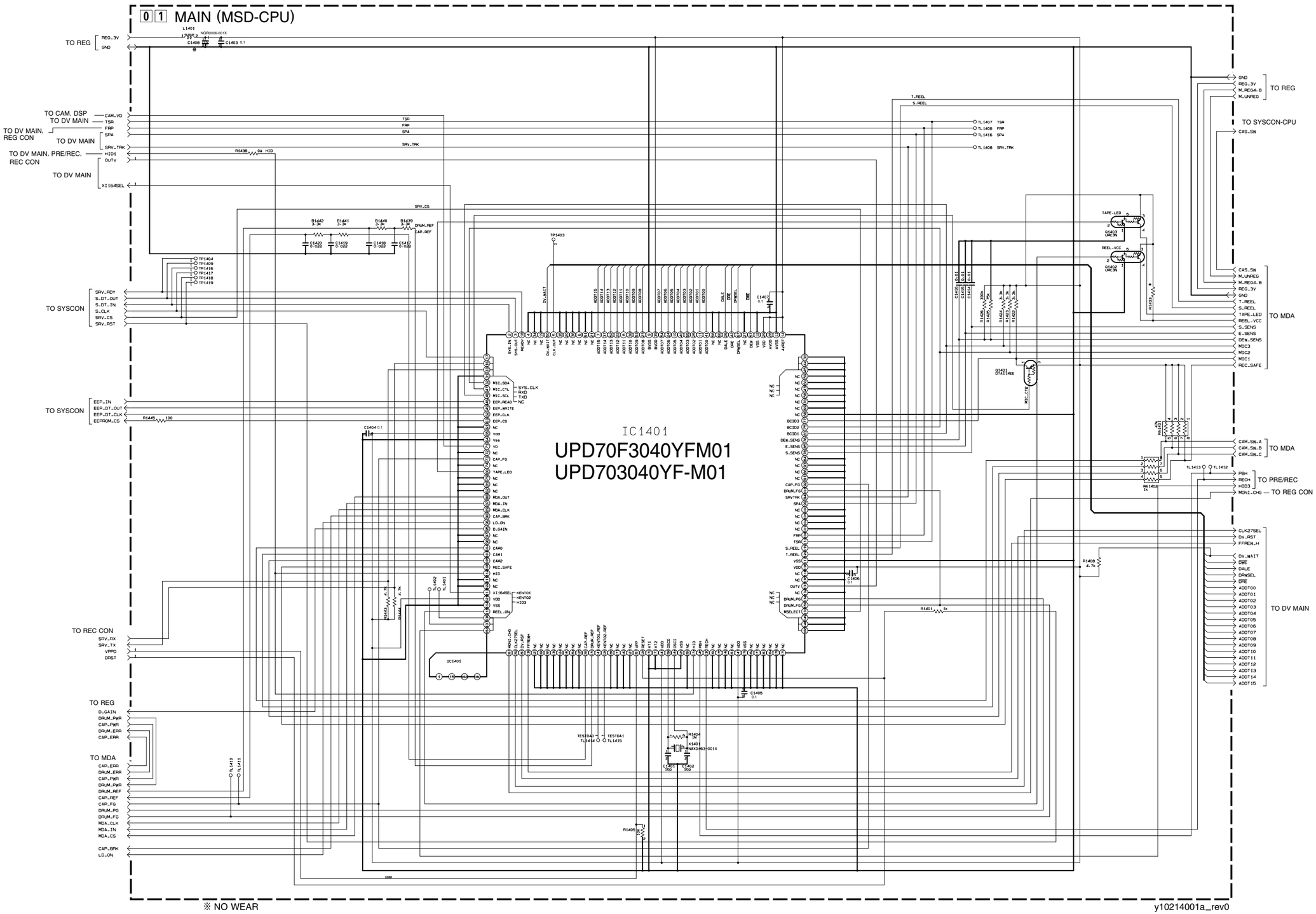
## 4.2 SYSCON-CPU SCHEMATIC DIAGRAM

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



## 4.3 MSD-CPU SCHEMATIC DIAGRAM

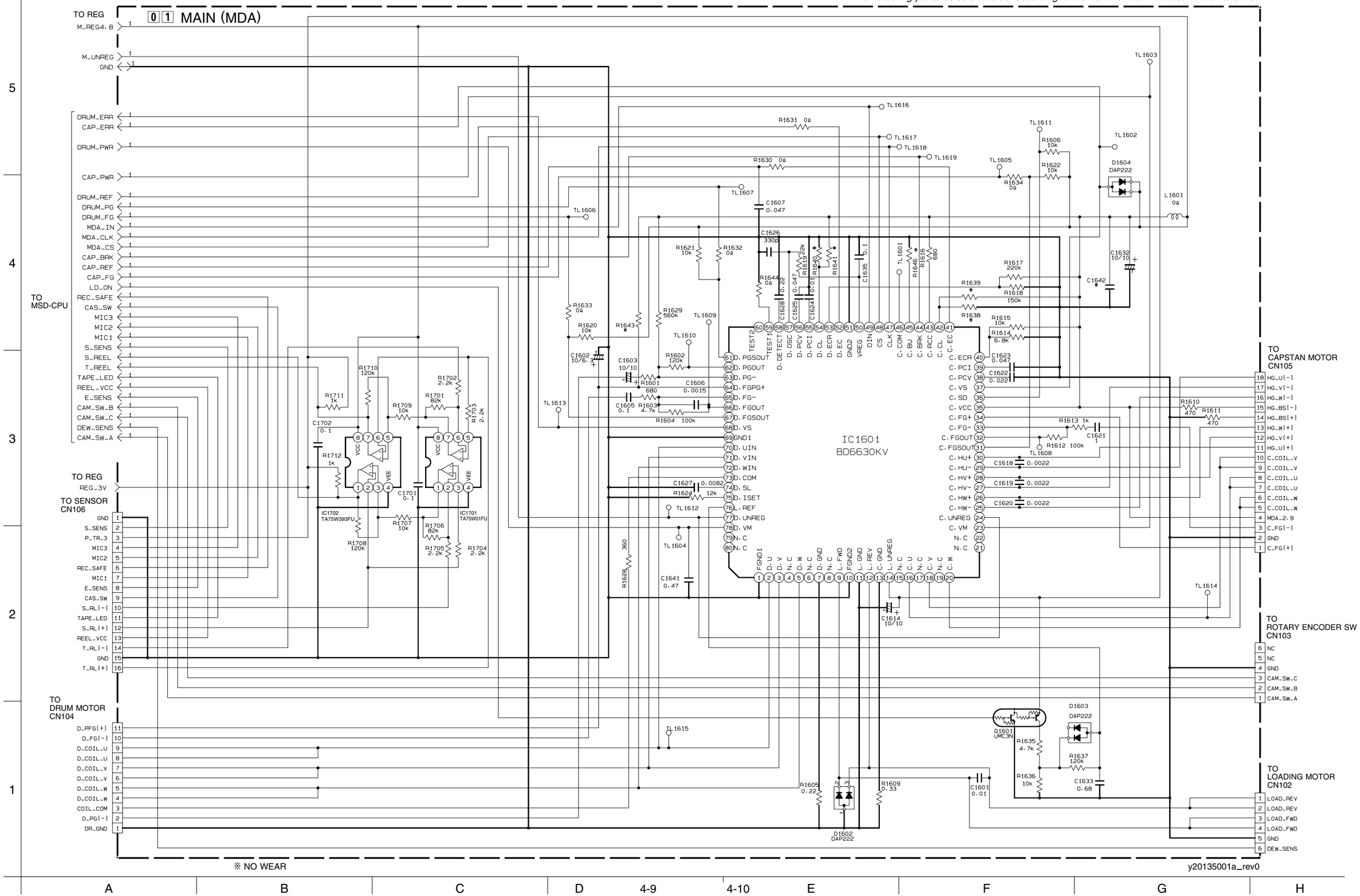
*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*




A | B | C | D 4-7 4-8 | E | F | G | H

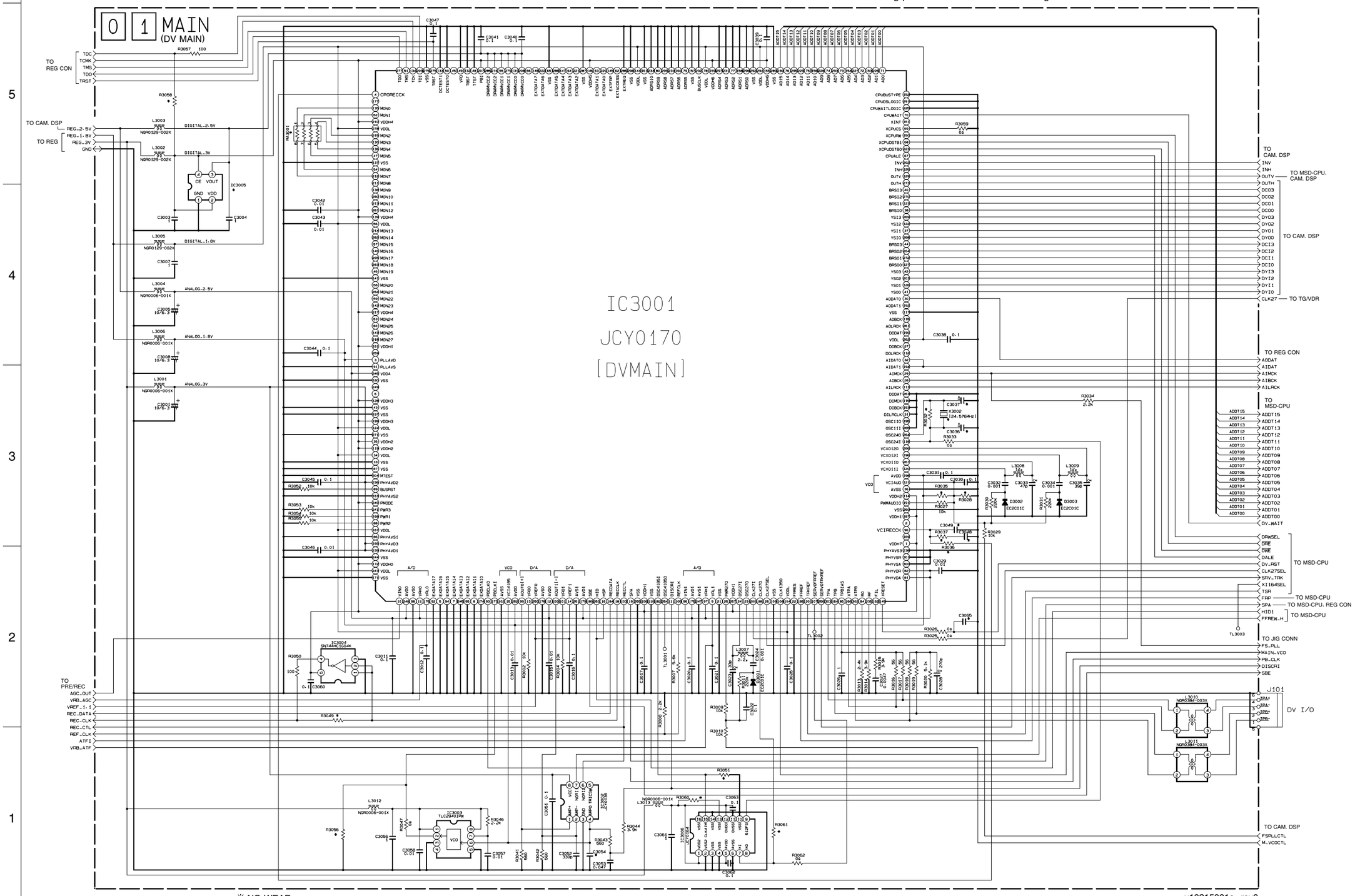
## 4.4 MDA SCHEMATIC DIAGRAM

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



## 4.5 DV MAIN SCHEMATIC DIAGRAM

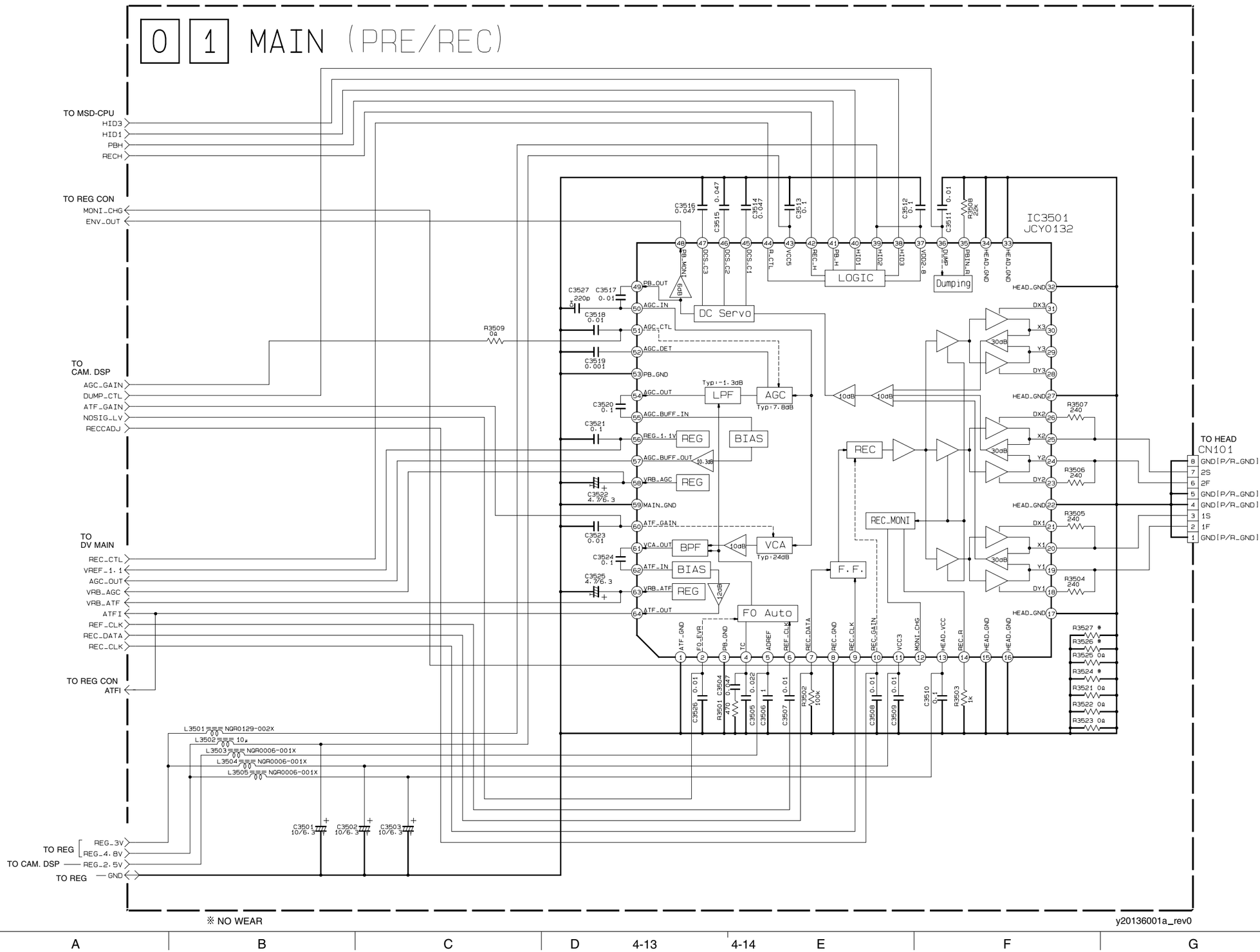
*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*




A B C D 4-11 4-12 E F G H

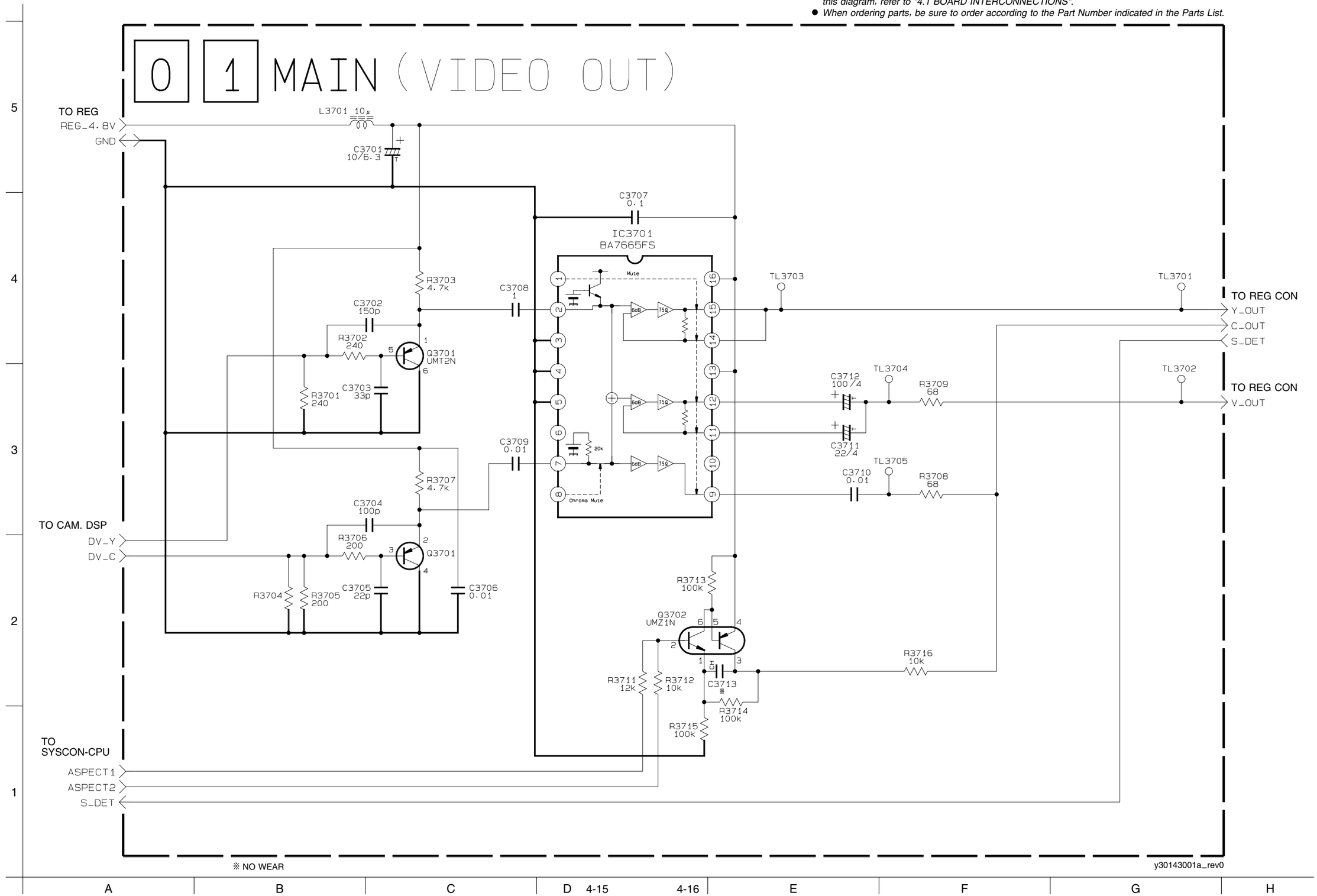
## 4.6 PRE/REC SCHEMATIC DIAGRAM

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



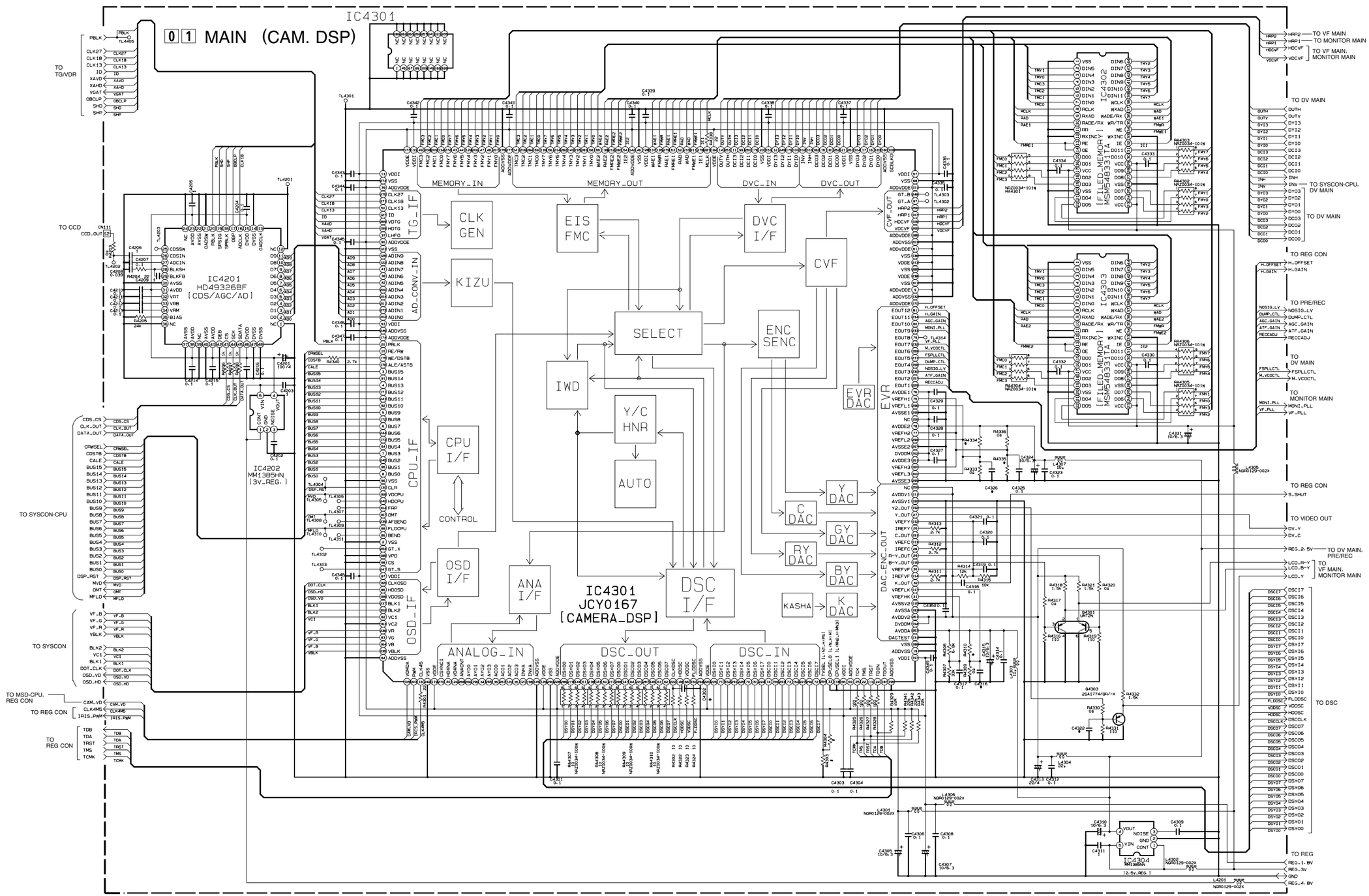
## 4.7 VIDEO OUT SCHEMATIC DIAGRAM

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



## 4.8 CAM. DSP SCHEMATIC DIAGRAM

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*




※ NO WEAR

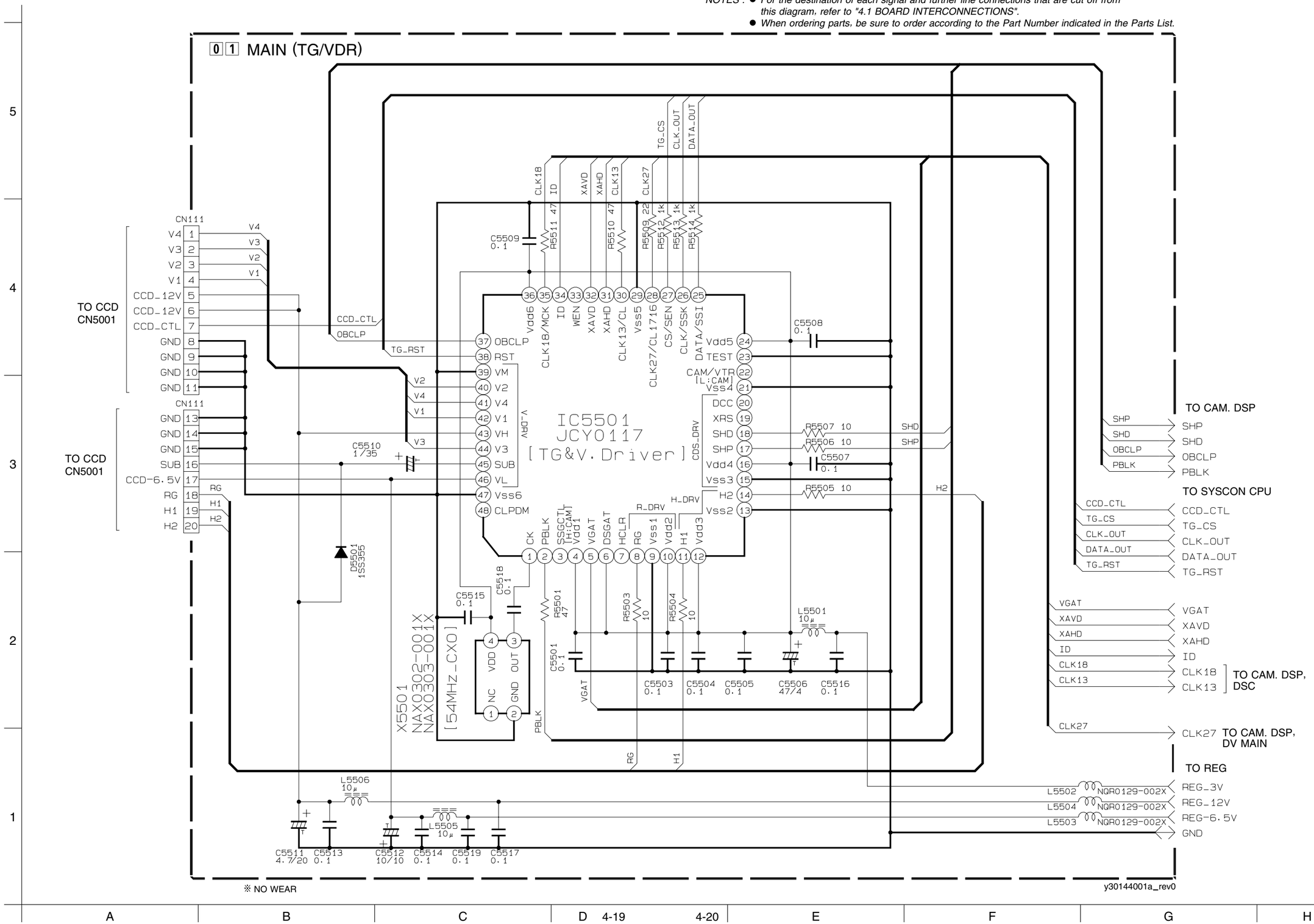
# : Difference point

| | R4303 | R4304 |
|---|---|---|
| NTSC | 0Ω | ※ |
| PAL | ※ | 0Ω |

y10216001a_rev0

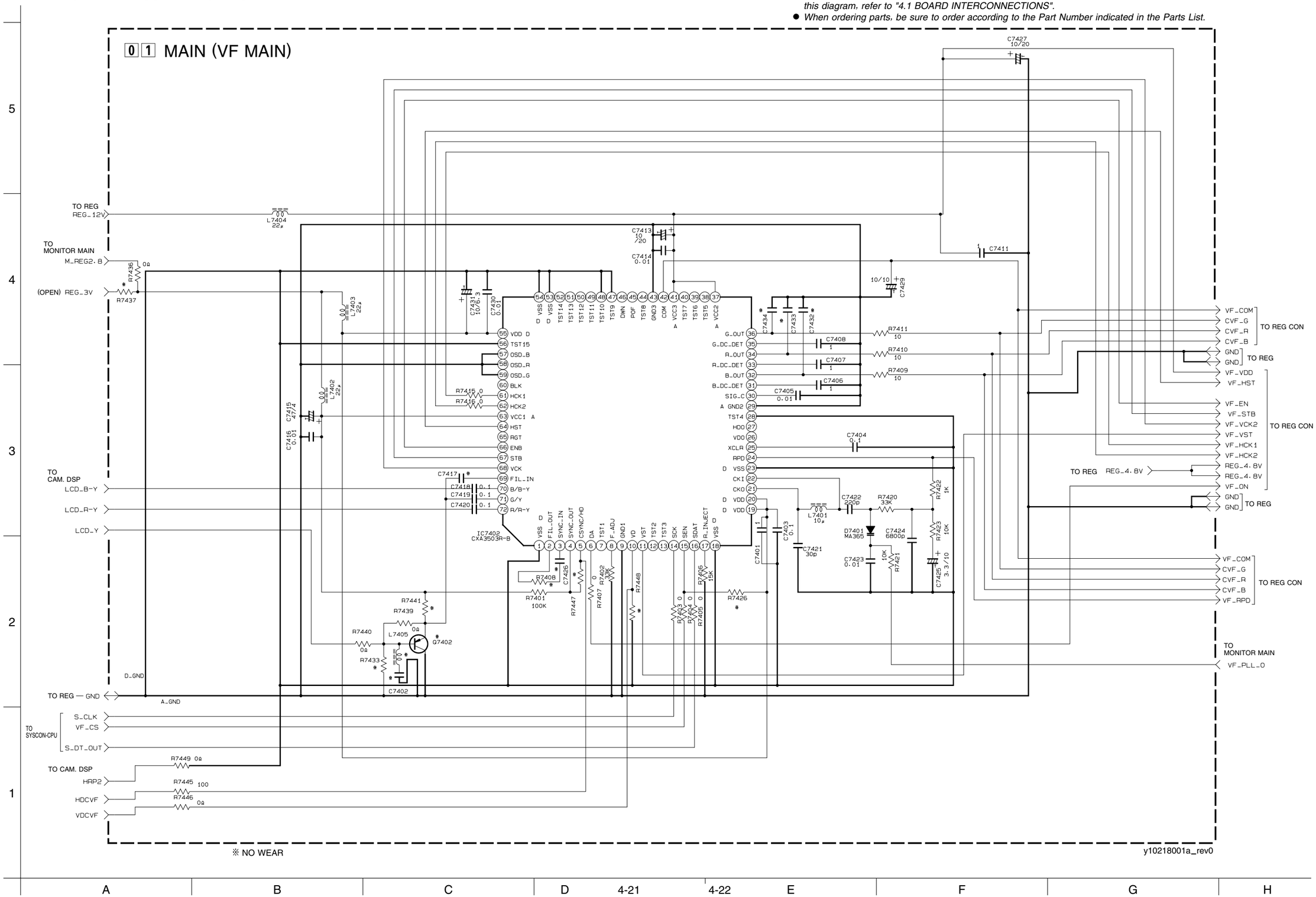
## 4.9 TG/VDR SCHEMATIC DIAGRAM

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



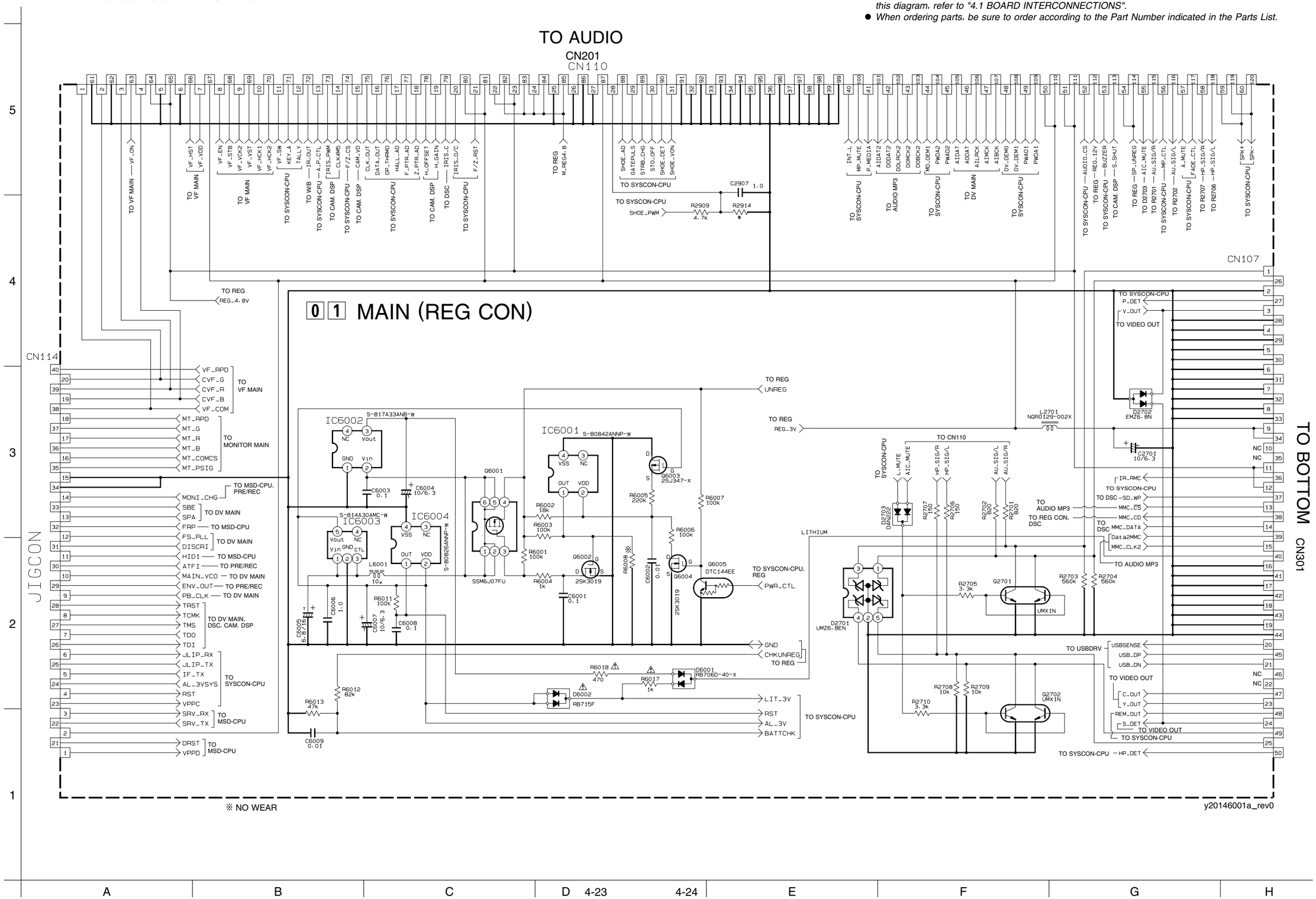
## 4.10 VF MAIN SCHEMATIC DIAGRAM

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



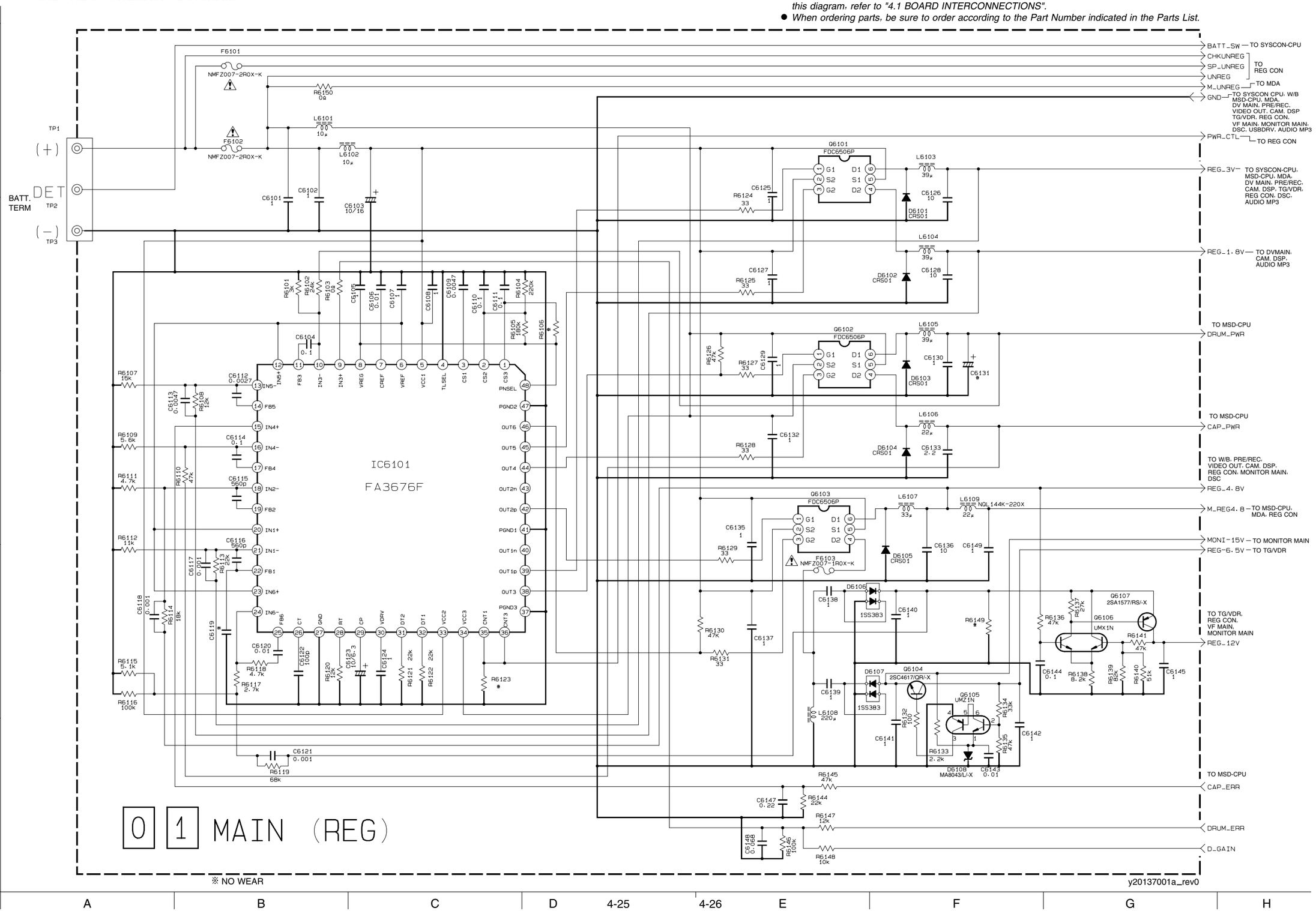
## 4.11 REG CON SCHEMATIC DIAGRAM

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



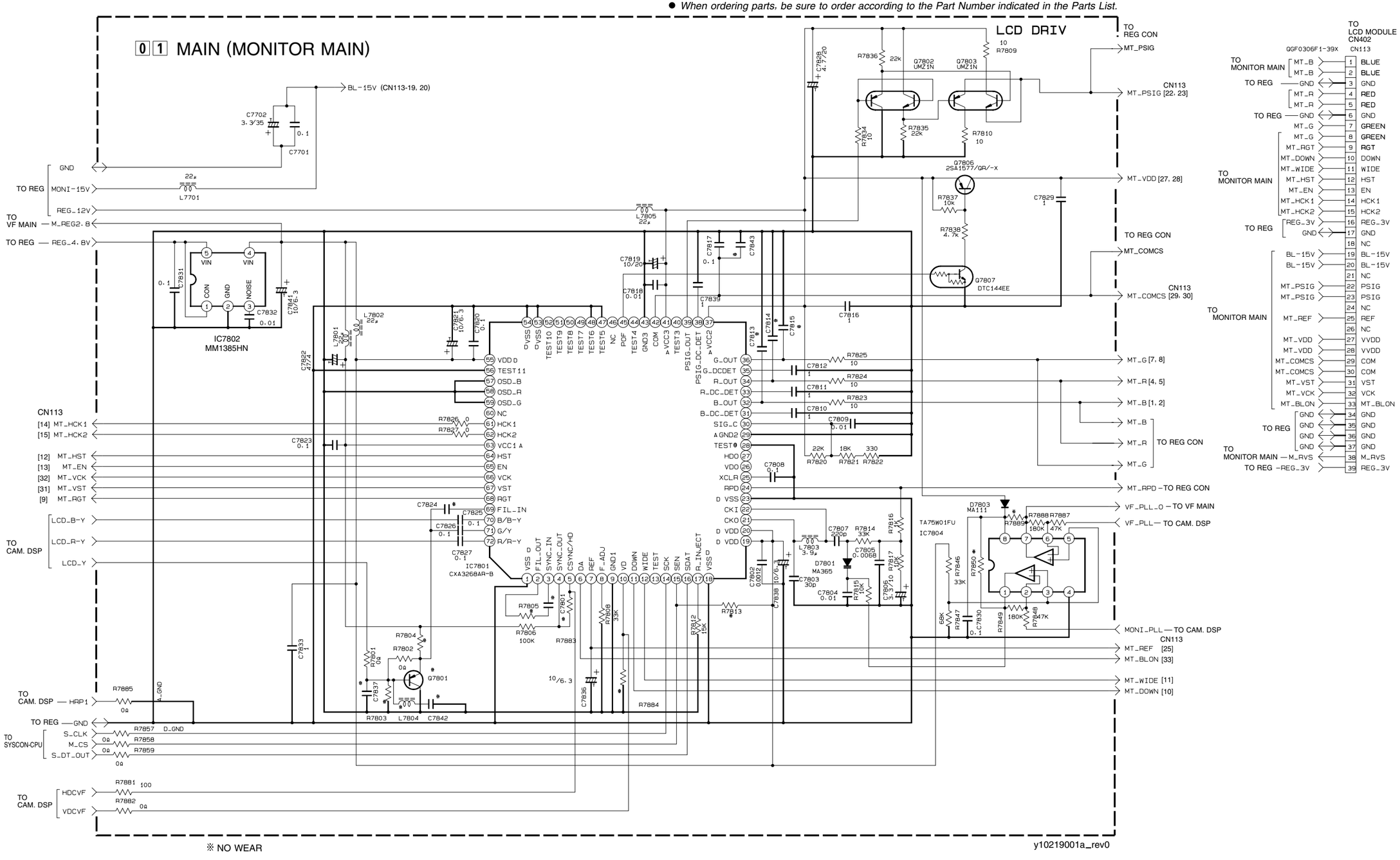
## 4.12 REG SCHEMATIC DIAGRAM

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



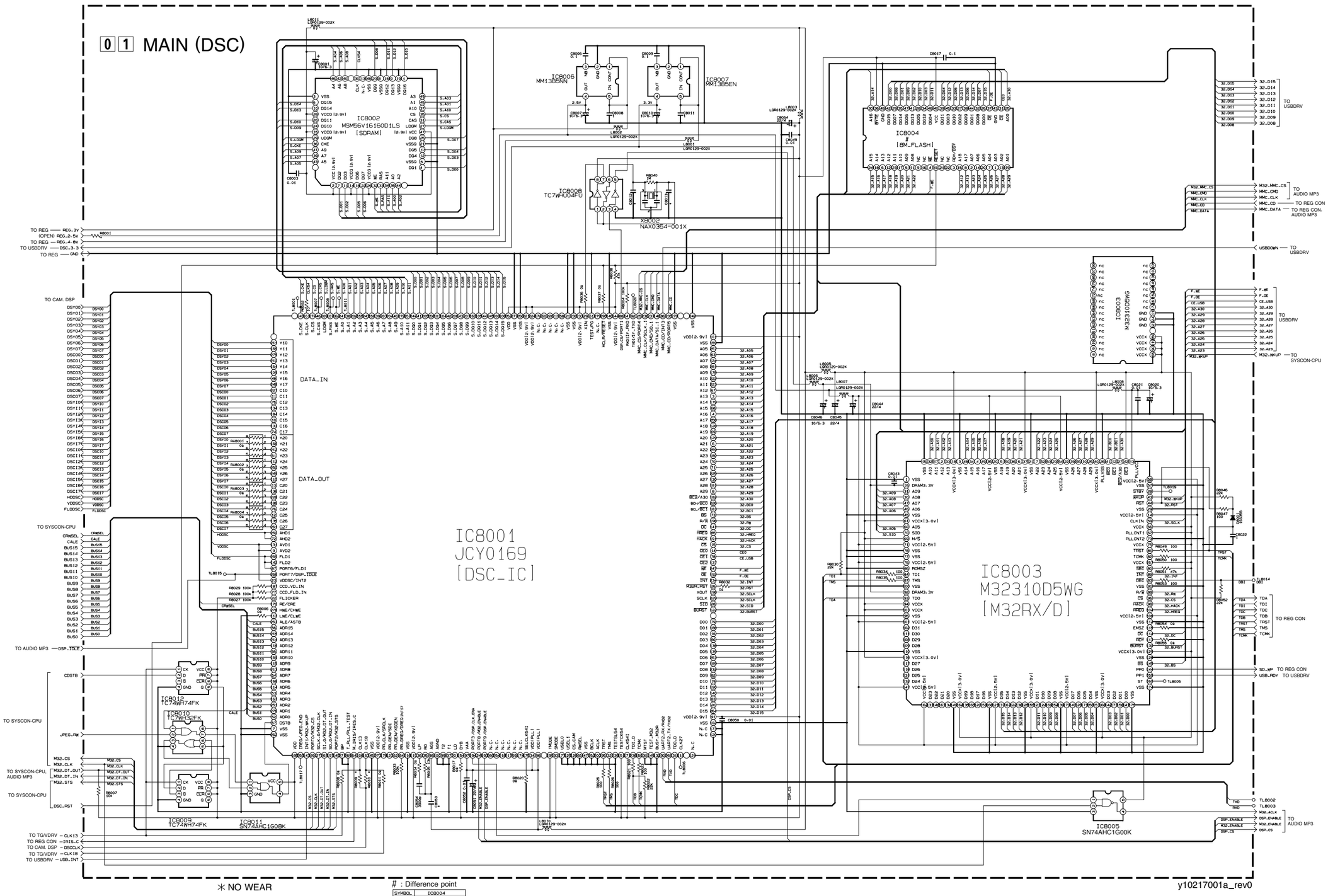
## 4.13 MONITOR MAIN SCHEMATIC DIAGRAM

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



## 4.14 DSC SCHEMATIC DIAGRAM

*NOTES :*
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*




∗ NO WEAR

\# : Difference point

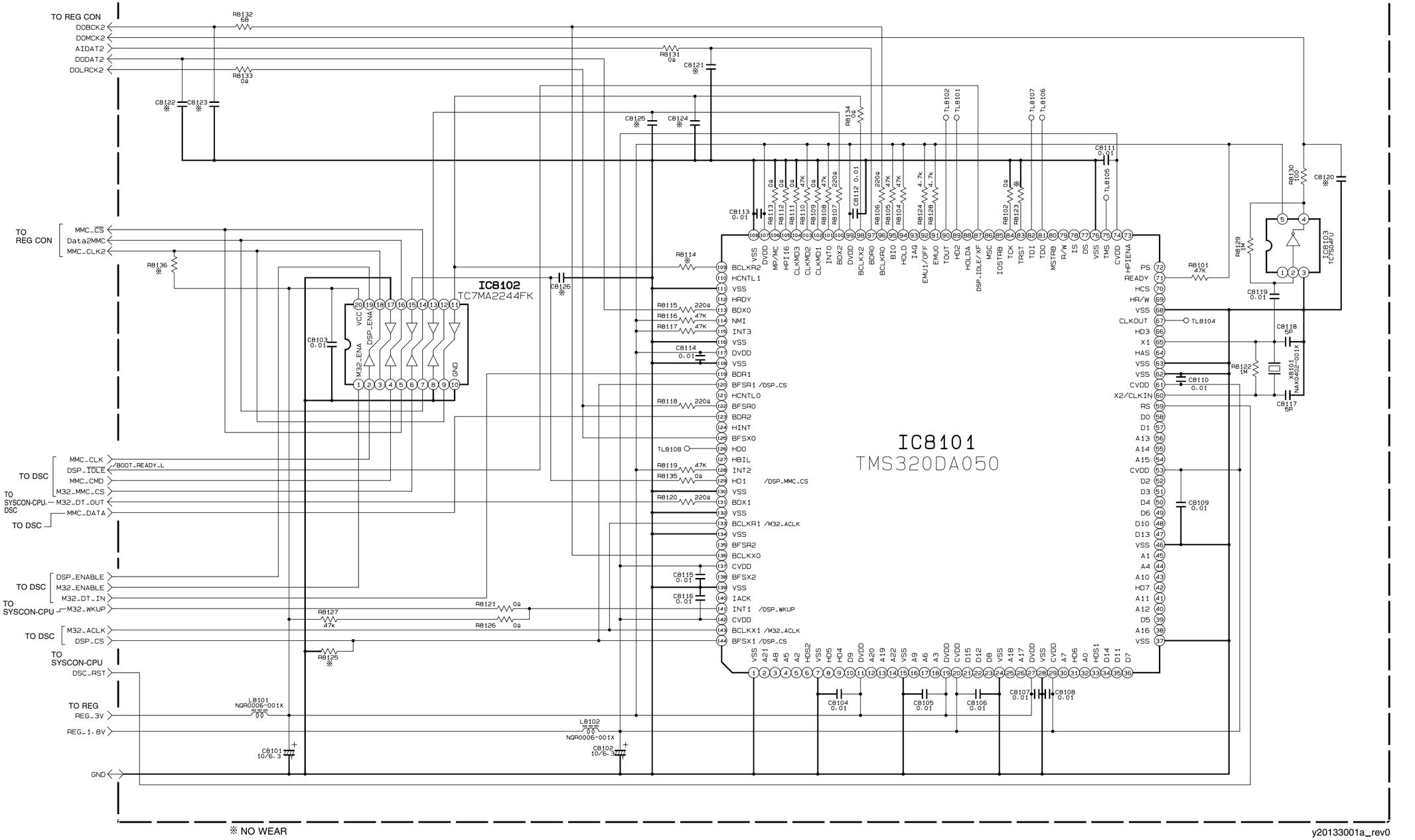
| SYMBOL | IC8004 |
|---|---|
| DOM | M5V80DT490PBA14 |
| US | M5V80DT490PBA12 |
| PAL | M5V80DT490PBA12 |

y10217001a_rev0

## 4.15 AUDIO MP3 SCHEMATIC DIAGRAM

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

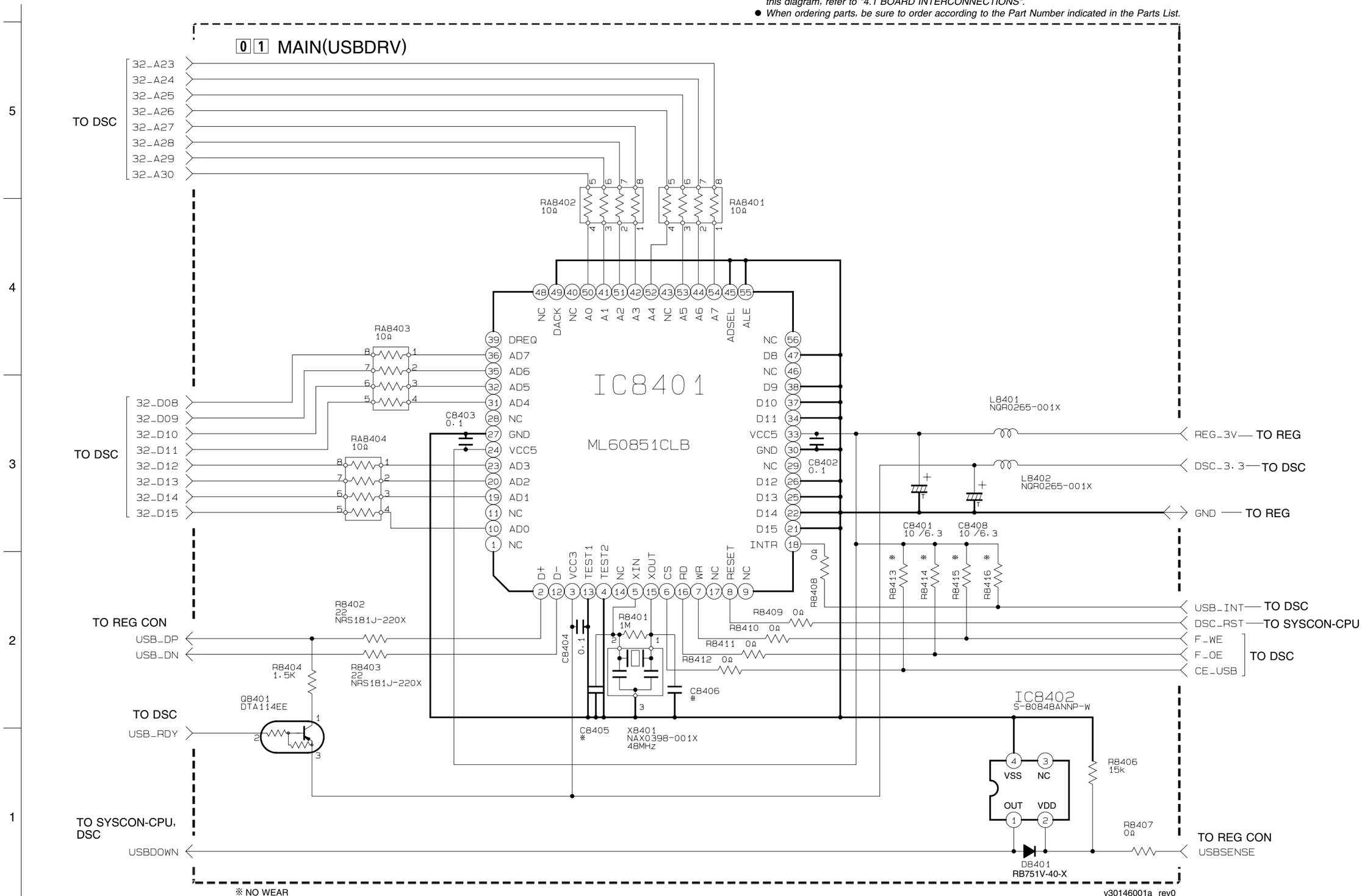
# 01 MAIN (AUDIO MP3)




A B C D 4-31 4-32 E F G H

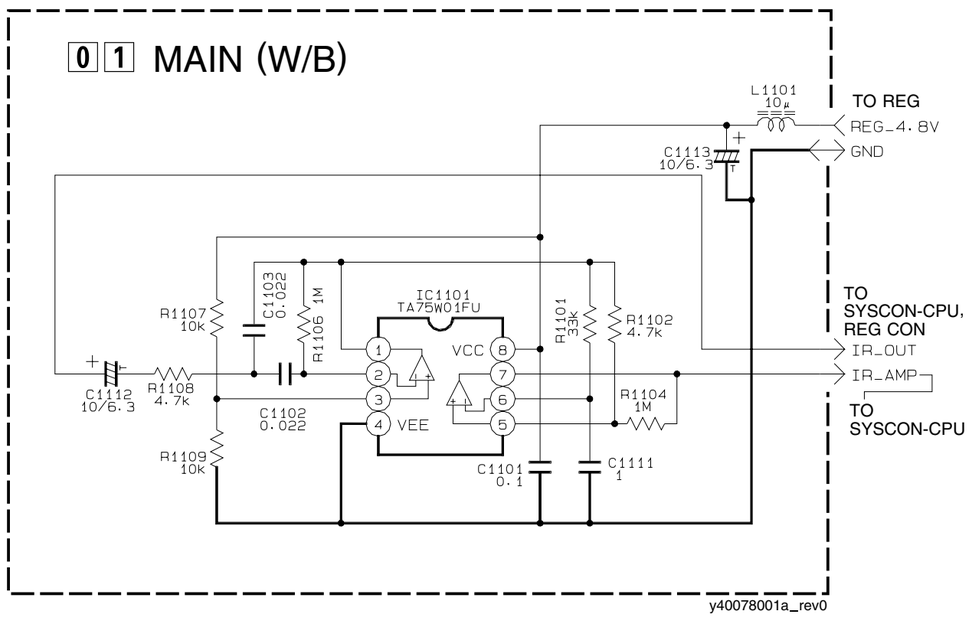
## 4.16 USBDRV SCHEMATIC DIAGRAM

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



## 4.17 W/B SCHEMATIC DIAGRAM

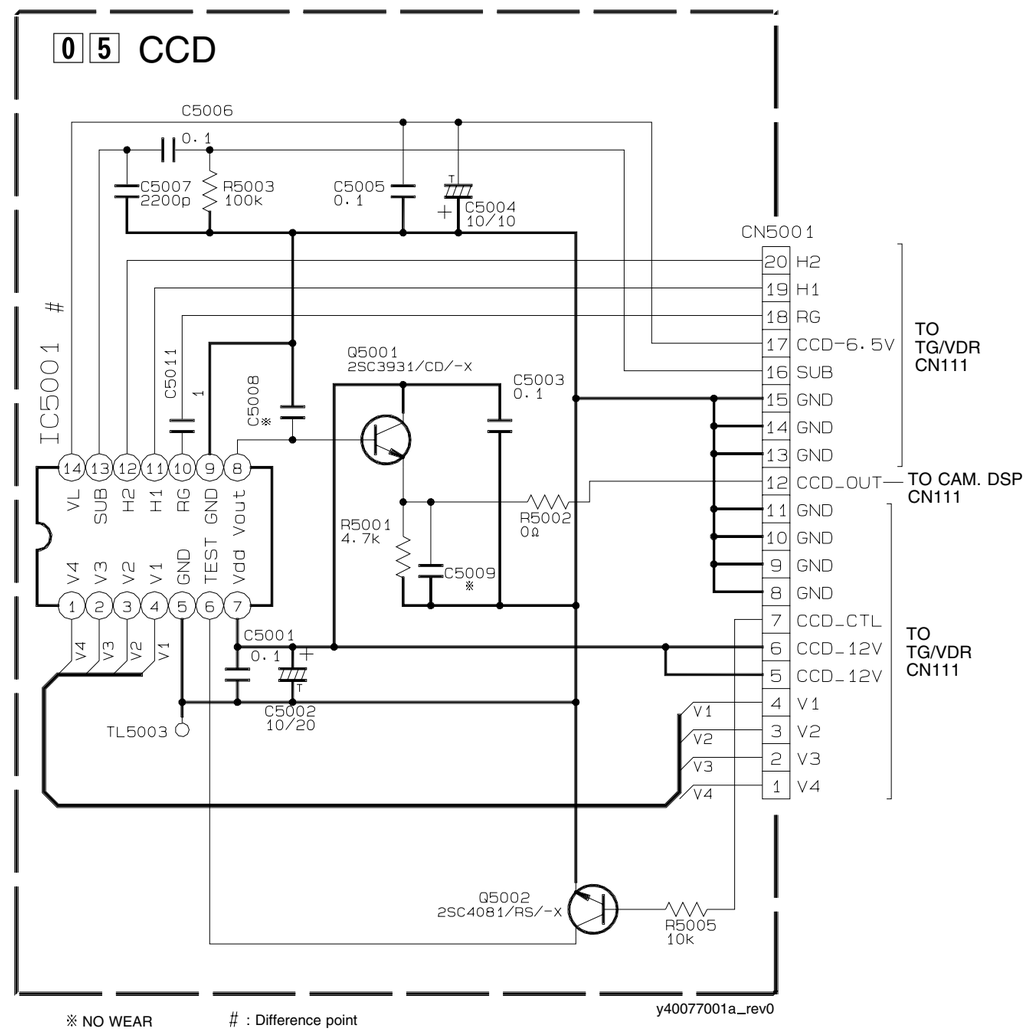
*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*




## 4.18 CCD SCHEMATIC DIAGRAM

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

● *IC5001 is incorporated in the CCD base assembly. When IC5001 needs replacement, replace the CCD base assembly in whole because it cannot be replaced alone.*



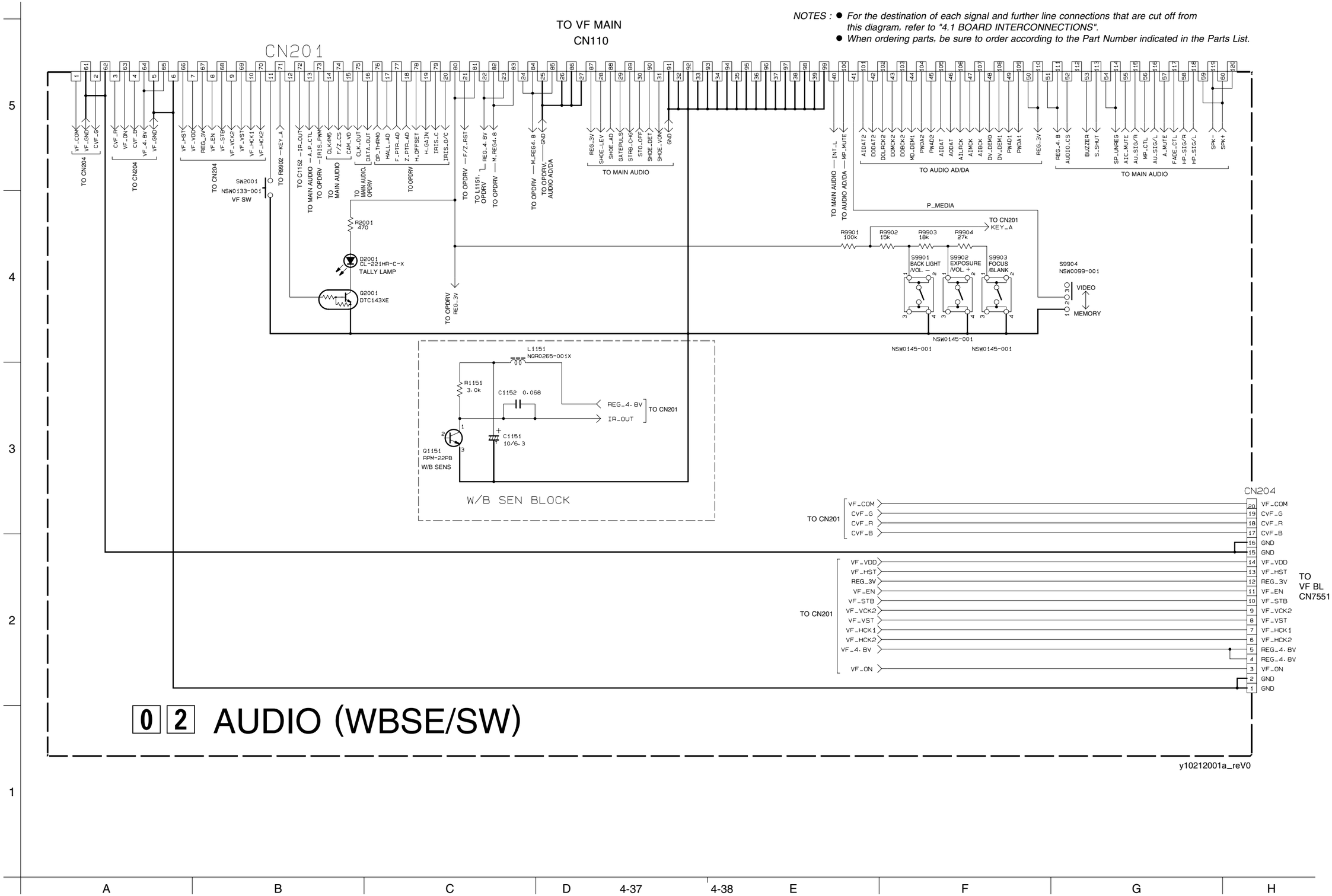

※ NO WEAR

# : Difference point

| | IC5001 |
|---|---|
| NTSC | ICX220AK-K |
| PAL | ICX221BK-K |

## 4.19 WBSE/SW SCHEMATIC DIAGRAM

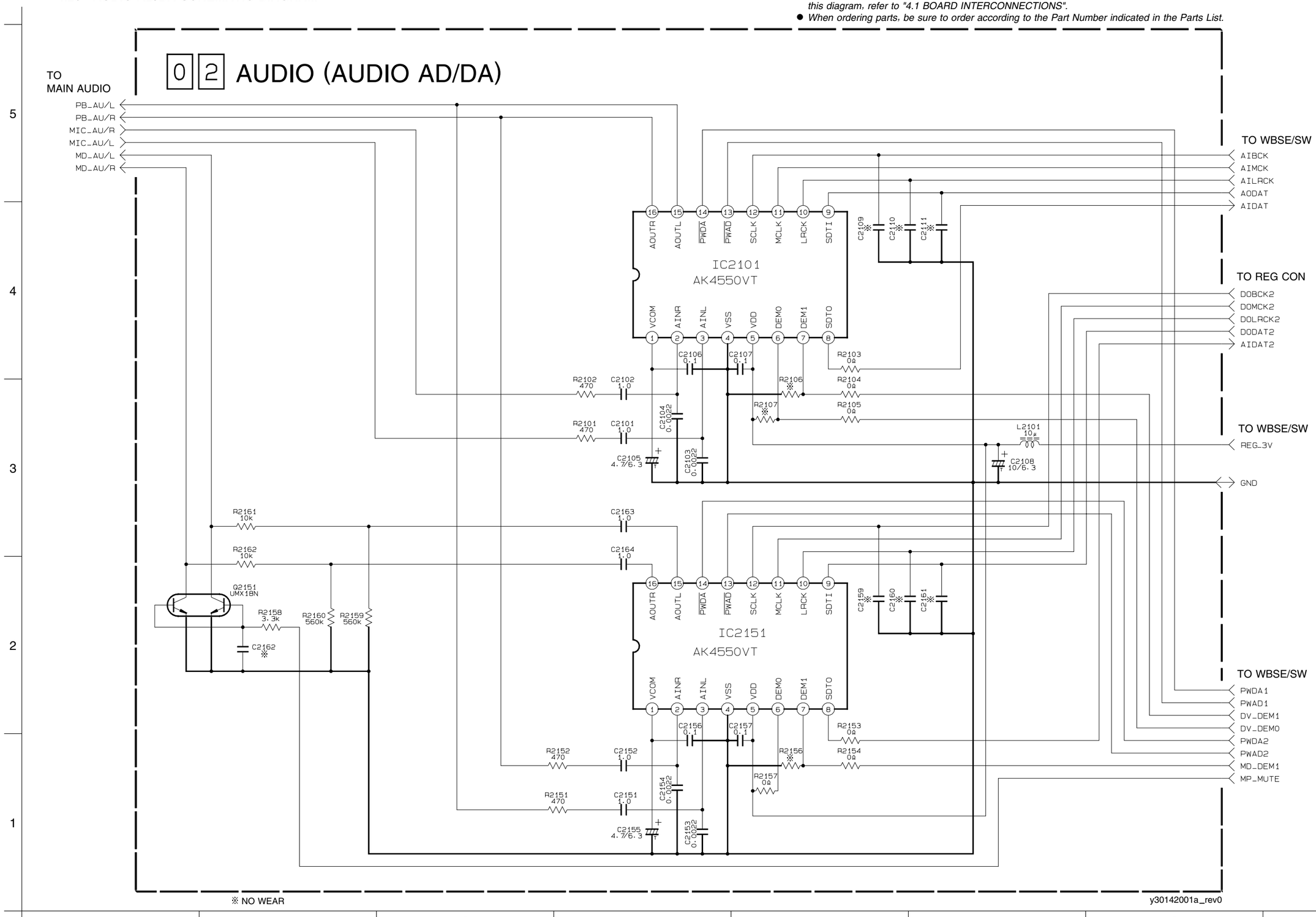
*NOTES :*
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*




# 02 AUDIO (WBSE/SW)

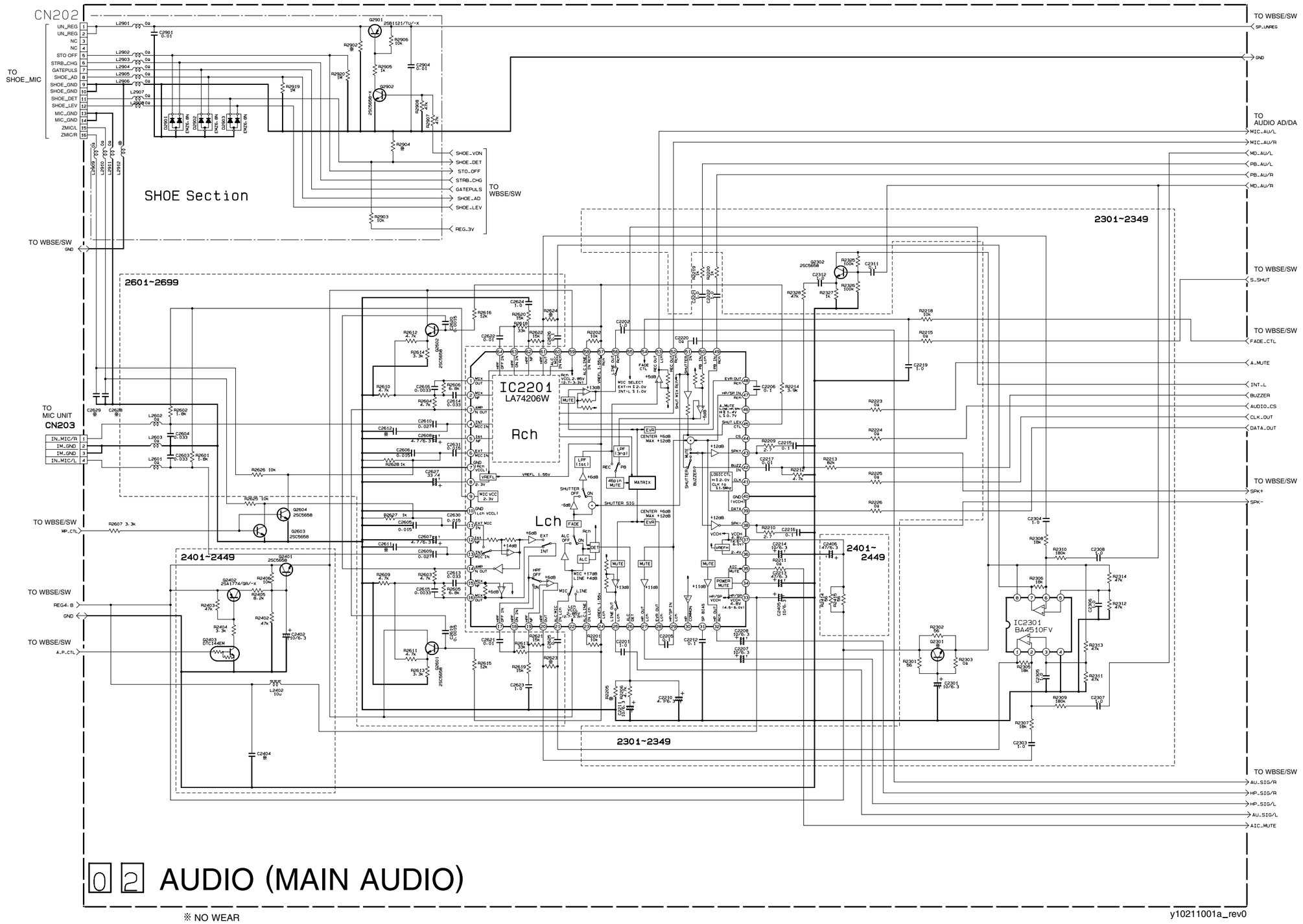
## 4.20 AUDIO AD/DA SCHEMATIC DIAGRAM

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



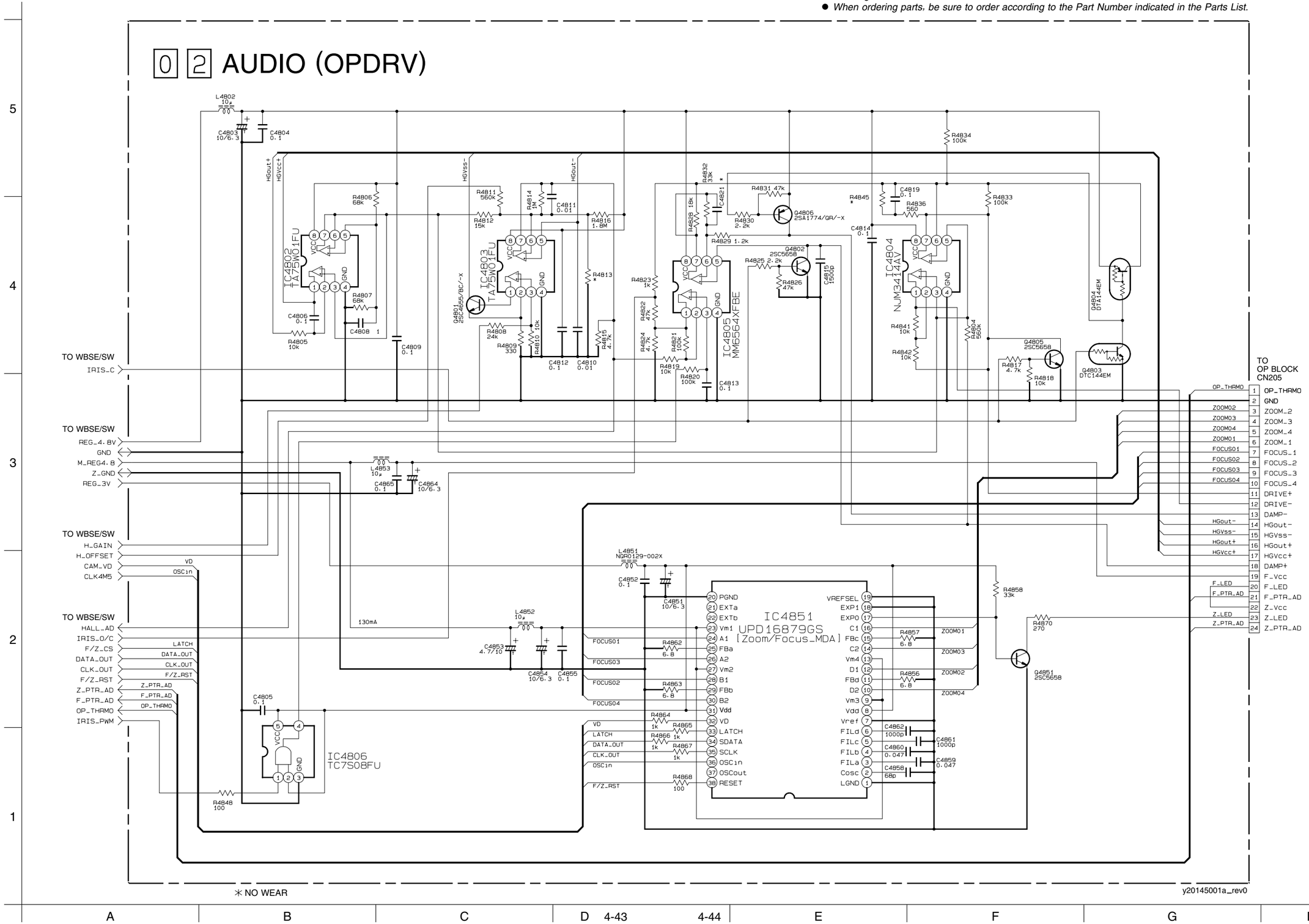
## 4.21 MAIN AUDIO SCHEMATIC DIAGRAM

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*


CN202
SHOE Section
IC2201
LA74206W
Rch
Lch
IC2301
BA4510FV
2301~2349
2601~2699
2401~2449
2401~
2449
TO SHOE_MIC
TO WBSE/SW
TO MIC UNIT
CN203
TO AUDIO AD/DA
TO WBSE/SW
TO WBSE/SW
TO WBSE/SW

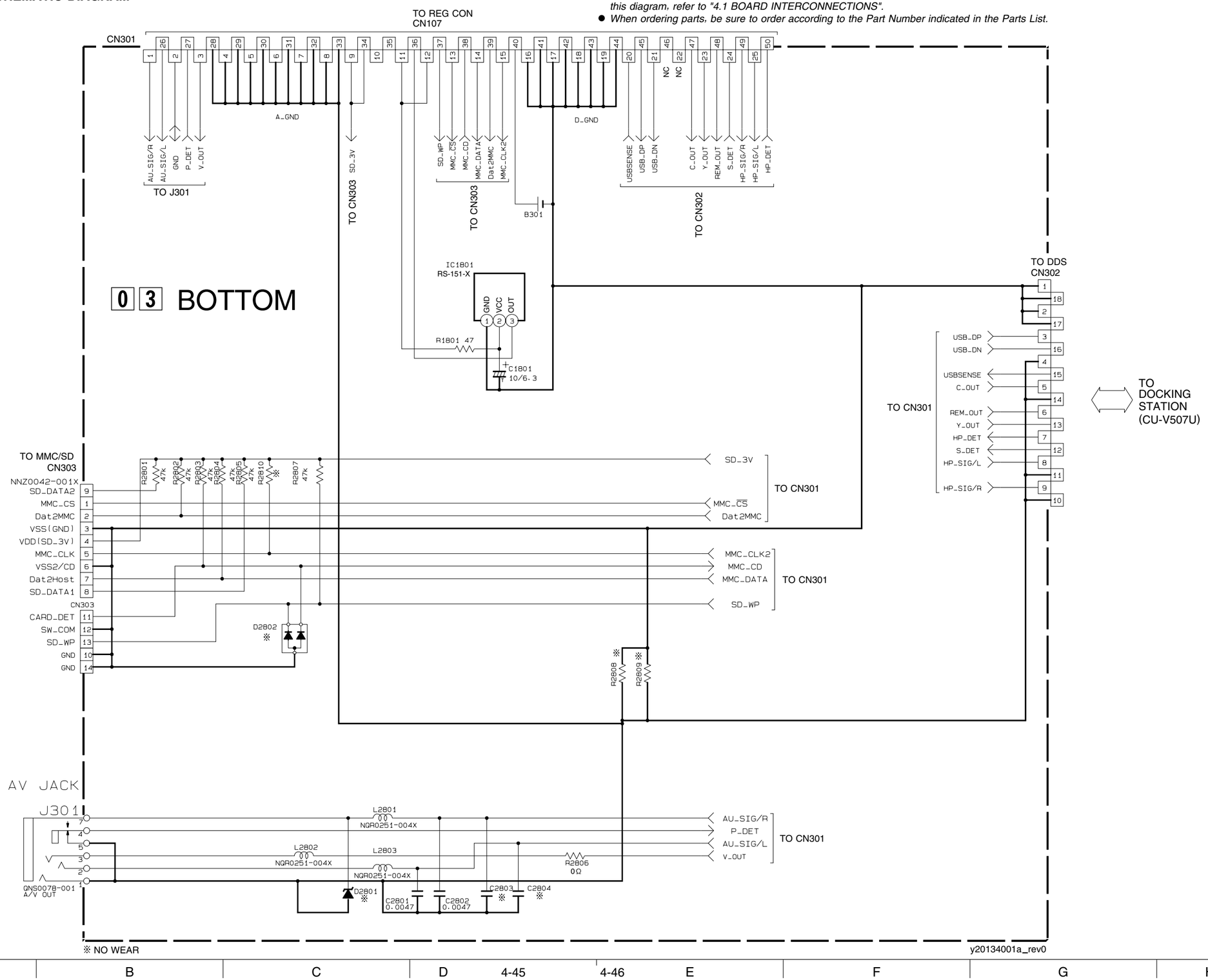
## 4.22 OPDRV SCHEMAITC DIAGRAM

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



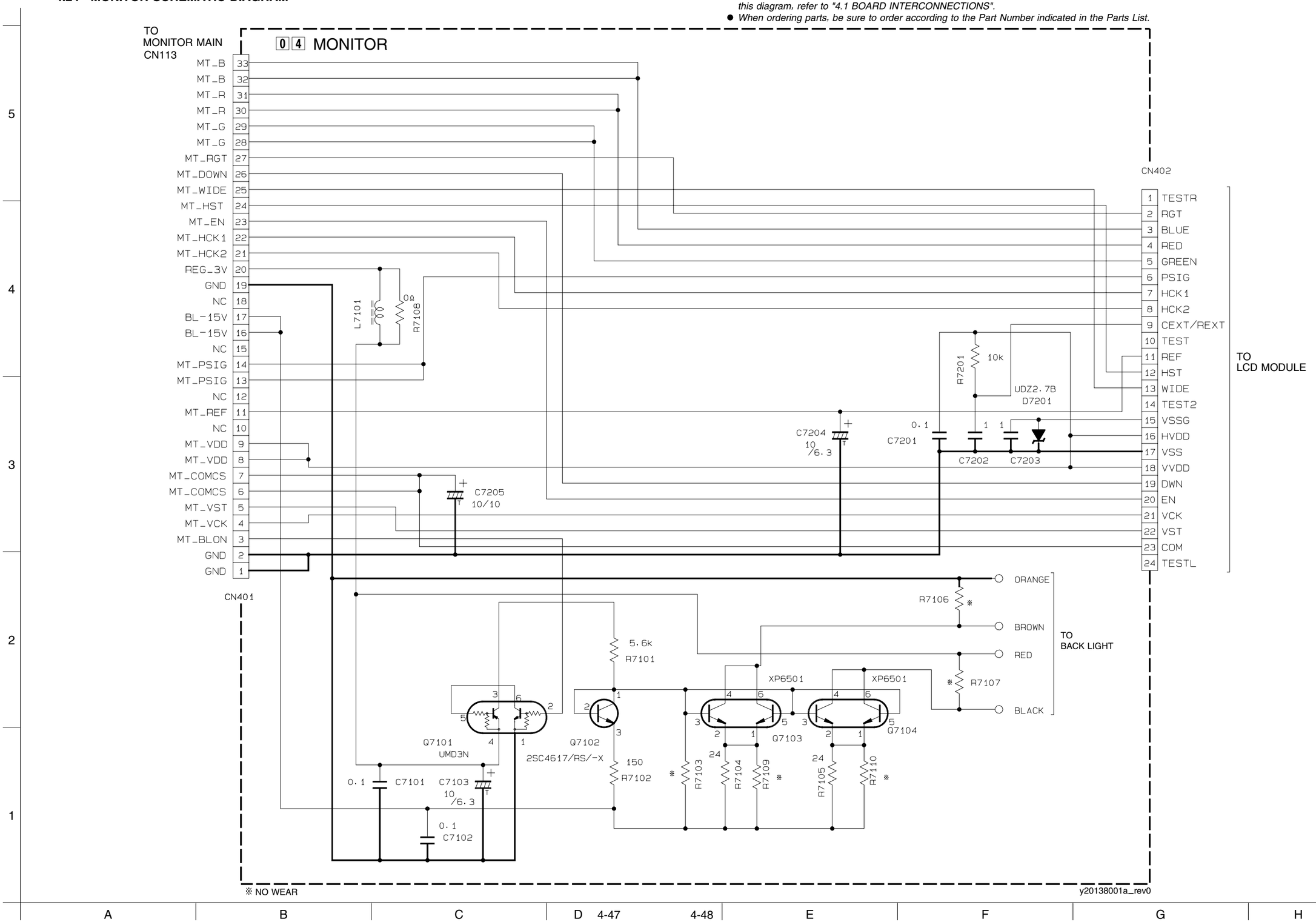
## 4.23 BOTTOM SCHEMATIC DIAGRAM

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



## 4.24 MONITOR SCHEMATIC DIAGRAM

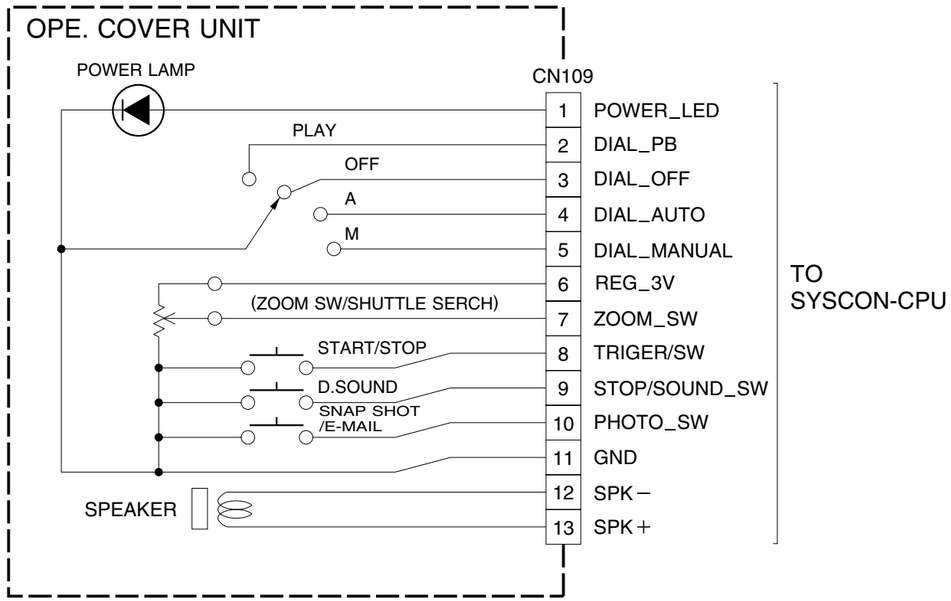
*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



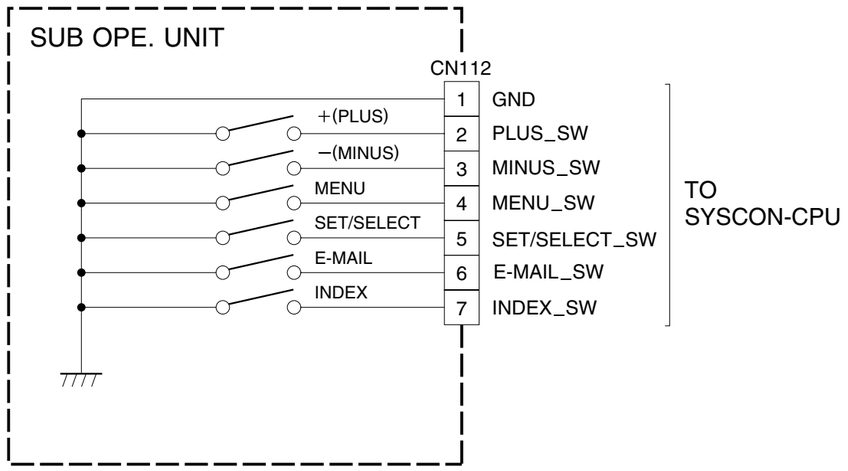
## 4.25 OPE. COVER UNIT AND SUB OPE. UNIT SCHEMATIC DIAGRAMS

*NOTES :* ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

−OPE. COVER UNIT −



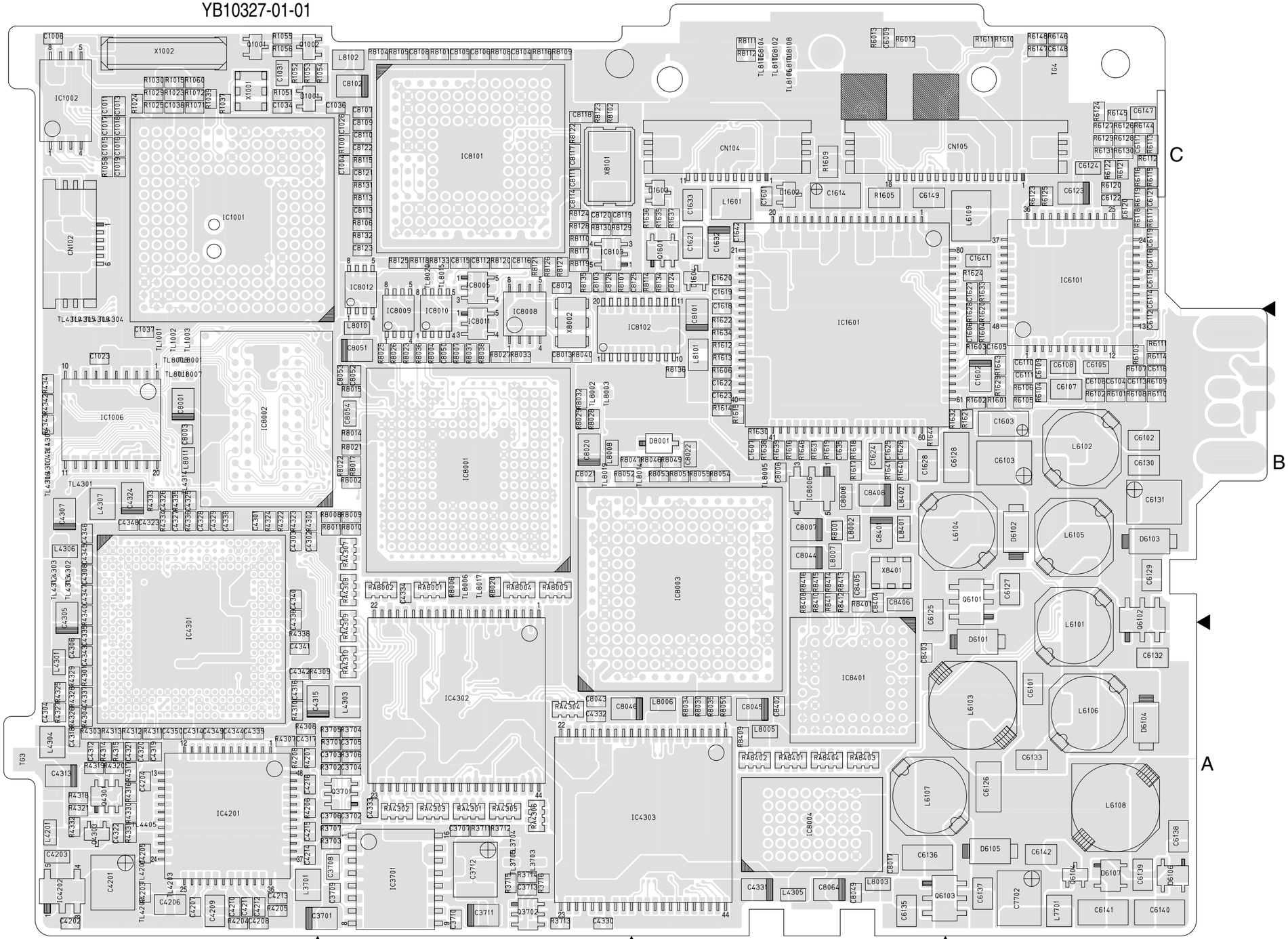

−SUB OPE. UNIT −



## 4.26 MAIN CIRCUIT BOARD

FOIL SIDE(B)

01 MAIN PWB
YB10327-01-01



## COMPONENT PARTS LOCATION GUIDE <MAIN>

| REF.NO. | LOCATION | | |
|---|---|---|---|
| **CAPACITOR** | | | |
| C1004 | B | C | 2C |
| C1006 | B | C | 1C |
| C1007 | A | C | 1C |
| C1011 | B | C | 1C |
| C1013 | B | C | 1C |
| C1015 | B | C | 1C |
| C1016 | B | C | 1C |
| C1017 | B | C | 1C |
| C1018 | B | C | 1C |
| C1019 | B | C | 1C |
| C1023 | B | C | 1B |
| C1026 | B | C | 2C |
| C1027 | A | C | 1C |
| C1028 | A | C | 1C |
| C1029 | A | C | 1C |
| C1030 | A | C | 1C |
| C1031 | B | C | 1C |
| C1034 | B | C | 1C |
| C1036 | B | C | 2C |
| C1037 | B | C | 1B |
| C1038 | B | C | 1C |
| C1101 | A | C | 1C |
| C1102 | A | C | 2C |
| C1103 | A | C | 2C |
| C1111 | A | C | 1C |
| C1112 | A | C | 1C |
| C1113 | A | C | 1C |
| C1401 | A | C | 3B |
| C1402 | A | C | 3B |
| C1403 | A | C | 3A |
| C1404 | A | C | 3B |
| C1405 | A | C | 4B |
| C1406 | A | C | 3A |
| C1407 | A | C | 4B |
| C1408 | A | C | 4B |
| C1414 | A | C | 3B |
| C1415 | A | C | 3B |
| C1416 | A | C | 4B |
| C1417 | A | C | 3B |
| C1418 | A | C | 3B |
| C1419 | A | C | 3B |
| C1420 | A | C | 3B |
| C1601 | B | C | 3C |
| C1602 | B | C | 4B |
| C1603 | B | C | 4B |
| C1605 | B | C | 4B |
| C1606 | B | C | 4B |
| C1607 | B | C | 3B |
| C1614 | B | C | 3C |
| C1618 | B | C | 3C |
| C1619 | B | C | 3C |
| C1620 | B | C | 3C |
| C1621 | B | C | 3C |
| C1622 | B | C | 3B |
| C1623 | B | C | 3B |
| C1624 | B | C | 3B |
| C1625 | B | C | 3B |
| C1626 | B | C | 3B |
| C1627 | B | C | 4C |
| C1628 | B | C | 3B |
| C1632 | B | C | 3C |
| C1633 | B | C | 3C |
| C1635 | B | C | 3B |
| C1641 | B | C | 4C |
| C1642 | B | C | 3C |
| C1701 | A | C | 4C |
| C1702 | A | C | 4C |
| C2701 | A | C | 4A |
| C2907 | A | C | 1B |
| C3001 | A | C | 4C |
| C3003 | A | C | 4C |
| C3004 | A | C | 4C |
| C3005 | A | C | 4C |
| C3007 | A | C | 3C |
| C3008 | A | C | 4B |
| C3011 | A | C | 3B |
| C3012 | A | C | 3B |
| C3013 | A | C | 3B |
| C3015 | A | C | 3B |
| C3016 | A | C | 3B |
| C3017 | A | C | 3B |
| C3020 | A | C | 3B |
| C3021 | A | C | 3B |
| C3022 | A | C | 3C |
| C3023 | A | C | 3B |
| C3024 | A | C | 3B |
| C3025 | A | C | 3B |
| C3026 | A | C | 4B |
| C3027 | A | C | 4C |

| REF.NO. | LOCATION | | |
|---|---|---|---|
| C3028 | A | C | 4B |
| C3029 | A | C | 4C |
| C3030 | A | C | 3C |
| C3031 | A | C | 3C |
| C3032 | A | C | 3C |
| C3033 | A | C | 3C |
| C3034 | A | C | 3C |
| C3035 | A | C | 3C |
| C3036 | A | C | 3B |
| C3037 | A | C | 3B |
| C3038 | A | C | 3C |
| C3039 | A | C | 3C |
| C3040 | A | C | 3C |
| C3041 | A | C | 3C |
| C3042 | A | C | 3C |
| C3043 | A | C | 3C |
| C3044 | A | C | 3B |
| C3045 | A | C | 4C |
| C3046 | A | C | 3B |
| C3047 | A | C | 3C |
| C3048 | A | C | 4B |
| C3049 | A | C | 3B |
| C3051 | A | C | 3B |
| C3052 | A | C | 3B |
| C3053 | A | C | 3B |
| C3054 | A | C | 3B |
| C3056 | A | C | 4B |
| C3057 | A | C | 4B |
| C3058 | A | C | 3B |
| C3060 | A | C | 2B |
| C3061 | A | C | 2B |
| C3062 | A | C | 2B |
| C3063 | A | C | 3B |
| C3065 | A | C | 3C |
| C3501 | A | C | 2B |
| C3502 | A | C | 2B |
| C3503 | A | C | 2C |
| C3504 | A | C | 2C |
| C3505 | A | C | 2C |
| C3506 | A | C | 2C |
| C3507 | A | C | 2C |
| C3508 | A | C | 2C |
| C3509 | A | C | 2C |
| C3510 | A | C | 2C |
| C3511 | A | C | 2C |
| C3512 | A | C | 3C |
| C3513 | A | C | 3C |
| C3514 | A | C | 3C |
| C3515 | A | C | 3C |
| C3516 | A | C | 3C |
| C3517 | A | C | 2B |
| C3518 | A | C | 2B |
| C3519 | A | C | 2B |
| C3520 | A | C | 2B |
| C3521 | A | C | 2B |
| C3522 | A | C | 2B |
| C3523 | A | C | 2B |
| C3524 | A | C | 2B |
| C3525 | A | C | 2B |
| C3526 | A | C | 2C |
| C3527 | A | C | 2B |
| C3701 | B | C | 2A |
| C3702 | B | C | 2A |
| C3703 | B | C | 2A |
| C3704 | B | C | 2A |
| C3705 | B | C | 2A |
| C3706 | B | C | 2A |
| C3707 | B | C | 2A |
| C3708 | B | C | 2A |
| C3709 | B | C | 2A |
| C3710 | B | C | 2A |
| C3711 | B | C | 2A |
| C3712 | B | C | 2A |
| C3713 | B | C | 2A |
| C4201 | B | C | 1A |
| C4202 | B | C | 1A |
| C4203 | B | C | 1A |
| C4204 | B | C | 1A |
| C4205 | B | C | 1A |
| C4206 | B | C | 1A |
| C4207 | B | C | 1A |
| C4208 | B | C | 1A |
| C4209 | B | C | 1A |
| C4210 | B | C | 1A |
| C4211 | B | C | 1A |
| C4212 | B | C | 1A |
| C4213 | B | C | 1A |
| C4214 | B | C | 1A |
| C4215 | B | C | 1A |
| C4216 | B | C | 1A |
| C4301 | B | C | 1B |

| REF.NO. | LOCATION | | |
|---|---|---|---|
| C4302 | B | C | 1B |
| C4303 | B | C | 1B |
| C4304 | B | C | 1A |
| C4305 | B | C | 1B |
| C4306 | B | C | 1A |
| C4307 | B | C | 1B |
| C4308 | B | C | 1B |
| C4309 | A | C | 4A |
| C4310 | A | C | 4A |
| C4311 | A | C | 4A |
| C4312 | B | C | 1A |
| C4313 | B | C | 1A |
| C4314 | B | C | 1A |
| C4315 | B | C | 2A |
| C4316 | B | C | 1A |
| C4317 | B | C | 1A |
| C4318 | B | C | 1A |
| C4319 | B | C | 1A |
| C4320 | B | C | 1A |
| C4321 | B | C | 1A |
| C4322 | B | C | 1A |
| C4323 | B | C | 1B |
| C4324 | B | C | 1B |
| C4325 | B | C | 1B |
| C4326 | B | C | 1B |
| C4327 | B | C | 1B |
| C4328 | B | C | 1B |
| C4329 | B | C | 1B |
| C4330 | B | C | 2A |
| C4331 | B | C | 3A |
| C4332 | B | C | 2A |
| C4333 | B | C | 2A |
| C4334 | B | C | 2B |
| C4335 | B | C | 1A |
| C4336 | B | C | 1B |
| C4337 | B | C | 1A |
| C4338 | B | C | 1B |
| C4339 | B | C | 1A |
| C4340 | B | C | 1B |
| C4341 | B | C | 1A |
| C4342 | B | C | 1A |
| C4343 | B | C | 1A |
| C4344 | B | C | 1A |
| C4345 | B | C | 1B |
| C4346 | B | C | 1B |
| C4347 | B | C | 1B |
| C4348 | B | C | 1B |
| C4349 | B | C | 1A |
| C4350 | B | C | 1A |
| C5501 | A | C | 1A |
| C5503 | A | C | 1A |
| C5504 | A | C | 1A |
| C5505 | A | C | 1A |
| C5506 | A | C | 1A |
| C5507 | A | C | 1A |
| C5508 | A | C | 1A |
| C5509 | A | C | 1B |
| C5510 | A | C | 2A |
| C5511 | A | C | 1A |
| C5512 | A | C | 1A |
| C5513 | A | C | 1A |
| C5514 | A | C | 1A |
| C5515 | A | C | 1A |
| C5516 | A | C | 1A |
| C5517 | A | C | 1A |
| C5518 | A | C | 1A |
| C5519 | A | C | 1A |
| C6001 | A | C | 4B |
| C6002 | A | C | 4A |
| C6003 | A | C | 4A |
| C6004 | A | C | 4A |
| C6005 | A | C | 4A |
| C6006 | A | C | 4A |
| C6007 | A | C | 4A |
| C6008 | A | C | 4A |
| C6009 | B | C | 3C |
| C6101 | B | C | 4A |
| C6102 | B | C | 4B |
| C6103 | B | C | 4B |
| C6104 | B | C | 4B |
| C6105 | B | C | 4B |
| C6106 | B | C | 4B |
| C6107 | B | C | 4B |
| C6108 | B | C | 4B |
| C6109 | B | C | 4B |
| C6110 | B | C | 4B |
| C6111 | B | C | 4B |
| C6112 | B | C | 4B |
| C6113 | B | C | 4B |
| C6114 | B | C | 4C |
| C6115 | B | C | 4C |

| REF.NO. | LOCATION | | |
|---|---|---|---|
| C6116 | B | C | 4C |
| C6117 | B | C | 4C |
| C6118 | B | C | 4B |
| C6119 | B | C | 4C |
| C6120 | B | C | 4C |
| C6121 | B | C | 4C |
| C6122 | B | C | 4C |
| C6123 | B | C | 4C |
| C6124 | B | C | 4C |
| C6125 | B | C | 3B |
| C6126 | B | C | 4A |
| C6127 | B | C | 4B |
| C6128 | B | C | 4B |
| C6129 | B | C | 4B |
| C6130 | B | C | 4B |
| C6131 | B | C | 4B |
| C6132 | B | C | 4A |
| C6133 | B | C | 4A |
| C6135 | B | C | 3A |
| C6136 | B | C | 3A |
| C6137 | B | C | 4A |
| C6138 | B | C | 4A |
| C6139 | B | C | 4A |
| C6140 | B | C | 4A |
| C6141 | B | C | 4A |
| C6142 | B | C | 4A |
| C6143 | A | C | 4A |
| C6144 | A | C | 4A |
| C6145 | A | C | 4A |
| C6147 | B | C | 4C |
| C6148 | B | C | 4C |
| C6149 | B | C | 3C |
| C7401 | A | C | 1B |
| C7402 | A | C | 2B |
| C7403 | A | C | 1B |
| C7404 | A | C | 1B |
| C7405 | A | C | 1B |
| C7406 | A | C | 1B |
| C7407 | A | C | 1B |
| C7408 | A | C | 1B |
| C7411 | A | C | 1C |
| C7413 | A | C | 1B |
| C7414 | A | C | 1B |
| C7415 | A | C | 2B |
| C7416 | A | C | 2B |
| C7417 | A | C | 2B |
| C7418 | A | C | 2B |
| C7419 | A | C | 2B |
| C7420 | A | C | 2B |
| C7421 | A | C | 1B |
| C7422 | A | C | 1B |
| C7423 | A | C | 1B |
| C7424 | A | C | 1B |
| C7425 | A | C | 1B |
| C7426 | A | C | 2B |
| C7427 | A | C | 1B |
| C7429 | A | C | 2B |
| C7430 | A | C | 2B |
| C7431 | A | C | 2B |
| C7432 | A | C | 1B |
| C7433 | A | C | 1B |
| C7434 | A | C | 1B |
| C7701 | A | C | 2A |
| C7702 | B | C | 4A |
| C7801 | A | C | 2B |
| C7802 | A | C | 3A |
| C7803 | A | C | 3A |
| C7804 | A | C | 3A |
| C7805 | A | C | 3A |
| C7806 | A | C | 3A |
| C7807 | A | C | 3A |
| C7808 | A | C | 3A |
| C7809 | A | C | 3A |
| C7810 | A | C | 3A |
| C7811 | A | C | 3A |
| C7812 | A | C | 3A |
| C7813 | A | C | 3A |
| C7814 | A | C | 3A |
| C7815 | A | C | 3A |
| C7816 | A | C | 3A |
| C7817 | A | C | 2A |
| C7818 | A | C | 2A |
| C7819 | A | C | 3A |
| C7820 | A | C | 2A |
| C7821 | A | C | 2A |
| C7822 | A | C | 2A |
| C7823 | A | C | 2A |
| C7824 | A | C | 2A |
| C7825 | A | C | 2B |
| C7826 | A | C | 2A |
| C7827 | A | C | 2B |

| REF.NO. | LOCATION | | |
|---|---|---|---|
| C7828 | A | C | 3A |
| C7829 | A | C | 2A |
| C7830 | A | C | 3A |
| C7831 | A | C | 2A |
| C7832 | A | C | 2A |
| C7833 | A | C | 3B |
| C7836 | A | C | 2B |
| C7837 | A | C | 2A |
| C7838 | A | C | 3B |
| C7839 | A | C | 2A |
| C7841 | A | C | 2A |
| C7842 | A | C | 2A |
| C7843 | A | C | 2A |
| C8001 | B | C | 1B |
| C8003 | B | C | 1B |
| C8006 | B | C | 3B |
| C8007 | B | C | 3B |
| C8008 | B | C | 3B |
| C8009 | A | C | 3B |
| C8010 | A | C | 3B |
| C8011 | A | C | 2B |
| C8012 | B | C | 2C |
| C8013 | B | C | 2B |
| C8017 | B | C | 3A |
| C8020 | B | C | 2B |
| C8021 | B | C | 2B |
| C8022 | B | C | 3B |
| C8043 | B | C | 2A |
| C8044 | B | C | 3B |
| C8045 | B | C | 3A |
| C8046 | B | C | 2A |
| C8049 | B | C | 3A |
| C8050 | B | C | 2B |
| C8051 | B | C | 2B |
| C8052 | B | C | 2B |
| C8053 | B | C | 2B |
| C8054 | B | C | 2B |
| C8064 | B | C | 3A |
| C8101 | B | C | 3B |
| C8102 | B | C | 2C |
| C8103 | B | C | 2C |
| C8104 | B | C | 2C |
| C8105 | B | C | 2C |
| C8106 | B | C | 2C |
| C8107 | B | C | 2C |
| C8108 | B | C | 2C |
| C8109 | B | C | 2C |
| C8110 | B | C | 2C |
| C8111 | B | C | 2C |
| C8112 | B | C | 2C |
| C8113 | B | C | 2C |
| C8114 | B | C | 2C |
| C8115 | B | C | 2C |
| C8116 | B | C | 2C |
| C8117 | B | C | 2C |
| C8118 | B | C | 2C |
| C8119 | B | C | 2C |
| C8120 | B | C | 2C |
| C8121 | B | C | 2C |
| C8122 | B | C | 2C |
| C8123 | B | C | 2C |
| C8124 | B | C | 3C |
| C8125 | B | C | 3C |
| C8126 | B | C | 2C |
| C8401 | B | C | 3B |
| C8402 | B | C | 3A |
| C8403 | B | C | 3A |
| C8404 | B | C | 3B |
| C8405 | B | C | 3B |
| C8406 | B | C | 3B |
| C8408 | B | C | 3B |
| **CONNECTOR** | | | |
| CN101 | A | C | 2C |
| CN102 | B | C | 1C |
| CN103 | A | C | 1C |
| CN104 | B | C | 3C |
| CN105 | B | C | 4C |
| CN106 | A | C | 4B |
| CN107 | A | C | 4A |
| CN108 | A | C | 4B |
| CN109 | A | C | 1C |
| CN110 | A | C | 1B |
| CN111 | A | C | 1A |
| CN112 | A | C | 1A |
| CN113 | A | C | 2A |
| CN114 | A | C | 3A |
| **DIODE** | | | |
| D1001 | B | C | 1C |
| D1002 | A | C | 1C |
| D1602 | B | C | 3C |

| REF.NO. | LOCATION | | |
|---|---|---|---|
| D1603 | B | C | 3C |
| D1604 | B | C | 3C |
| D2701 | A | C | 4A |
| D2702 | A | C | 3A |
| D2703 | A | C | 3A |
| D3001 | A | C | 3B |
| D3002 | A | C | 3C |
| D3003 | A | C | 3C |
| D5501 | A | C | 2A |
| D6001 | A | C | 4A |
| D6002 | A | C | 4A |
| D6101 | B | C | 4A |
| D6102 | B | C | 4B |
| D6103 | B | C | 4B |
| D6104 | B | C | 4A |
| D6105 | B | C | 4A |
| D6106 | B | C | 4A |
| D6107 | B | C | 4A |
| D6108 | A | C | 4A |
| D7401 | A | C | 1B |
| D7801 | A | C | 3A |
| D7803 | A | C | 3A |
| D8001 | B | C | 3B |
| D8401 | A | C | 4B |
| **FUSE** | | | |
| F6101 | A | C | 4C |
| F6102 | A | C | 4C |
| F6103 | A | C | 4A |
| **IC** | | | |
| IC1001 | B | C | 1C |
| IC1002 | B | C | 1C |
| IC1003 | A | C | 2C |
| IC1006 | B | C | 1B |
| IC1007 | A | C | 1C |
| IC1101 | A | C | 1C |
| IC1401 | A | C | 3B |
| IC1601 | B | C | 3B |
| IC1701 | A | C | 4C |
| IC1702 | A | C | 4C |
| IC3001 | A | C | 3C |
| IC3002 | A | C | 3B |
| IC3003 | A | C | 3B |
| IC3004 | A | C | 2B |
| IC3005 | A | C | 4C |
| IC3006 | A | C | 2B |
| IC3501 | A | C | 2C |
| IC3701 | B | C | 2A |
| IC4201 | B | C | 1A |
| IC4202 | B | C | 1A |
| IC4301 | B | C | 1A |
| IC4302 | B | C | 2A |
| IC4303 | B | C | 3A |
| IC4304 | A | C | 4A |
| IC5501 | A | C | 1A |
| IC6001 | A | C | 4A |
| IC6002 | A | C | 4A |
| IC6003 | A | C | 4A |
| IC6004 | A | C | 4A |
| IC6101 | B | C | 4C |
| IC7402 | A | C | 2B |
| IC7801 | A | C | 2A |
| IC7802 | A | C | 2A |
| IC7804 | A | C | 3A |
| IC8001 | B | C | 2B |
| IC8002 | B | C | 1B |
| IC8003 | B | C | 3B |
| IC8004 | B | C | 3A |
| IC8005 | B | C | 2C |
| IC8006 | B | C | 3B |
| IC8007 | A | C | 2B |
| IC8008 | B | C | 2B |
| IC8009 | B | C | 2B |
| IC8010 | B | C | 2B |
| IC8011 | B | C | 2B |
| IC8012 | B | C | 2C |
| IC8101 | B | C | 2C |
| IC8102 | B | C | 3B |
| IC8103 | B | C | 2C |
| IC8401 | B | C | 3A |
| IC8402 | A | C | 4B |
| **COIL** | | | |
| L1002 | A | C | 1C |
| L1101 | A | C | 1C |
| L1401 | A | C | 4B |
| L1601 | B | C | 3C |
| L2701 | A | C | 4A |
| L3001 | A | C | 4C |
| L3002 | A | C | 4C |
| L3003 | A | C | 4C |

| REF.NO. | LOCATION | | |
|---|---|---|---|
| L3004 | A | C | 4C |
| L3005 | A | C | 3C |
| L3006 | A | C | 4B |
| L3007 | A | C | 3B |
| L3008 | A | C | 3C |
| L3009 | A | C | 3C |
| L3010 | A | C | 4B |
| L3011 | A | C | 4B |
| L3012 | A | C | 4B |
| L3013 | A | C | 2B |
| L3501 | A | C | 3C |
| L3502 | A | C | 2B |
| L3503 | A | C | 2B |
| L3504 | A | C | 2B |
| L3505 | A | C | 2C |
| L3701 | B | C | 1A |
| L4201 | B | C | 1A |
| L4301 | B | C | 1A |
| L4302 | A | C | 4B |
| L4303 | B | C | 2A |
| L4304 | B | C | 1A |
| L4305 | B | C | 3A |
| L4306 | B | C | 1B |
| L4307 | B | C | 1B |
| L5501 | A | C | 1A |
| L5502 | A | C | 1A |
| L5503 | A | C | 1A |
| L5504 | A | C | 1A |
| L5505 | A | C | 1A |
| L5506 | A | C | 1A |
| L6001 | A | C | 4A |
| L6101 | B | C | 4A |
| L6102 | B | C | 4B |
| L6103 | B | C | 4A |
| L6104 | B | C | 4B |
| L6105 | B | C | 4B |
| L6106 | B | C | 4A |
| L6107 | B | C | 3A |
| L6108 | B | C | 4A |
| L6109 | B | C | 4C |
| L7401 | A | C | 1B |
| L7402 | A | C | 2B |
| L7403 | A | C | 2B |
| L7404 | A | C | 1B |
| L7405 | A | C | 2B |
| L7701 | B | C | 4A |
| L7801 | A | C | 2A |
| L7802 | A | C | 2A |
| L7803 | A | C | 3A |
| L7804 | A | C | 2A |
| L7805 | A | C | 2A |
| L8001 | A | C | 2B |
| L8002 | B | C | 3B |
| L8003 | B | C | 3A |
| L8005 | B | C | 3A |
| L8006 | B | C | 3A |
| L8007 | B | C | 3B |
| L8008 | B | C | 2B |
| L8010 | B | C | 2B |
| L8011 | B | C | 1B |
| L8101 | B | C | 3B |
| L8102 | B | C | 2C |
| L8401 | B | C | 3B |
| L8402 | B | C | 3B |
| **TRANSISTOR** | | | |
| Q1001 | B | C | 1C |
| Q1002 | B | C | 1C |
| Q1003 | A | C | 1C |
| Q1004 | A | C | 1C |
| Q1006 | A | C | 1C |
| Q1007 | A | C | 1C |
| Q1401 | A | C | 3A |
| Q1402 | A | C | 4B |
| Q1403 | A | C | 4B |
| Q1601 | B | C | 3C |
| Q2701 | A | C | 3A |
| Q2702 | A | C | 4A |
| Q3701 | B | C | 2A |
| Q3702 | B | C | 2A |
| Q4301 | B | C | 1A |
| Q4303 | B | C | 1A |
| Q6001 | A | C | 4A |
| Q6002 | A | C | 4A |
| Q6003 | A | C | 4A |
| Q6004 | A | C | 4B |
| Q6005 | A | C | 4B |
| Q6101 | B | C | 4B |
| Q6102 | B | C | 4B |
| Q6103 | B | C | 3A |
| Q6104 | B | C | 4A |

| REF.NO. | LOCATION | | |
|---|---|---|---|
| Q6105 | A | C | 4A |
| Q6106 | A | C | 4A |
| Q6107 | A | C | 4A |
| Q7402 | A | C | 2B |
| Q7801 | A | C | 2A |
| Q7802 | A | C | 3A |
| Q7803 | A | C | 3A |
| Q7806 | A | C | 2A |
| Q7807 | A | C | 3A |
| Q8401 | A | C | 4B |
| **RESISTOR** | | | |
| R1001 | B | C | 2C |
| R1002 | A | C | 2C |
| R1003 | A | C | 1C |
| R1004 | A | C | 2C |
| R1005 | A | C | 2C |
| R1006 | A | C | 1C |
| R1007 | A | C | 2C |
| R1008 | A | C | 2A |
| R1009 | A | C | 2A |
| R1010 | A | C | 1C |
| R1011 | A | C | 2A |
| R1012 | A | C | 2A |
| R1013 | A | C | 2A |
| R1014 | A | C | 2A |
| R1015 | B | C | 1C |
| R1016 | A | C | 1C |
| R1017 | A | C | 1C |
| R1018 | A | C | 1C |
| R1020 | A | C | 2B |
| R1021 | A | C | 2B |
| R1022 | A | C | 2B |
| R1023 | B | C | 1C |
| R1024 | B | C | 1C |
| R1025 | B | C | 1C |
| R1026 | A | C | 1C |
| R1029 | B | C | 1C |
| R1030 | B | C | 1C |
| R1037 | B | C | 1C |
| R1039 | B | C | 1C |
| R1044 | A | C | 1C |
| R1045 | A | C | 1C |
| R1046 | A | C | 1C |
| R1047 | A | C | 1C |
| R1048 | A | C | 1C |
| R1049 | A | C | 1C |
| R1050 | A | C | 1C |
| R1051 | B | C | 1C |
| R1052 | B | C | 1C |
| R1053 | B | C | 1C |
| R1054 | B | C | 2C |
| R1055 | B | C | 1C |
| R1056 | B | C | 1C |
| R1058 | B | C | 1C |
| R1060 | B | C | 1C |
| R1066 | A | C | 1B |
| R1071 | B | C | 1C |
| R1072 | B | C | 1C |
| R1101 | A | C | 1C |
| R1102 | A | C | 2C |
| R1104 | A | C | 1C |
| R1106 | A | C | 2C |
| R1107 | A | C | 2C |
| R1108 | A | C | 1C |
| R1109 | A | C | 2C |
| R1401 | A | C | 3B |
| R1404 | A | C | 3B |
| R1405 | A | C | 3B |
| R1408 | A | C | 4B |
| R1422 | A | C | 3B |
| R1423 | A | C | 4B |
| R1424 | A | C | 4B |
| R1425 | A | C | 4B |
| R1426 | A | C | 4B |
| R1433 | A | C | 4B |
| R1438 | A | C | 3B |
| R1439 | A | C | 3A |
| R1440 | A | C | 3A |
| R1441 | A | C | 3A |
| R1442 | A | C | 3A |
| R1443 | A | C | 4A |
| R1444 | A | C | 4A |
| R1445 | A | C | 3B |
| R1601 | B | C | 4B |
| R1602 | B | C | 4B |
| R1603 | B | C | 4B |
| R1604 | B | C | 4B |
| R1605 | B | C | 3C |
| R1606 | B | C | 3B |
| R1609 | B | C | 3C |

| REF.NO. | LOCATION | | |
|---|---|---|---|
| R1610 | B | C | 4C |
| R1611 | B | C | 4C |
| R1612 | B | C | 3B |
| R1613 | B | C | 3B |
| R1614 | B | C | 3B |
| R1615 | B | C | 3B |
| R1616 | B | C | 3B |
| R1617 | B | C | 3B |
| R1618 | B | C | 3B |
| R1619 | B | C | 3B |
| R1620 | B | C | 4B |
| R1621 | B | C | 4B |
| R1622 | B | C | 3B |
| R1624 | B | C | 4C |
| R1628 | B | C | 4B |
| R1629 | B | C | 4B |
| R1630 | B | C | 3B |
| R1631 | B | C | 3B |
| R1632 | B | C | 4B |
| R1633 | B | C | 4C |
| R1634 | B | C | 3B |
| R1635 | B | C | 3C |
| R1636 | B | C | 3C |
| R1637 | B | C | 3C |
| R1638 | B | C | 3B |
| R1639 | B | C | 3B |
| R1640 | B | C | 3B |
| R1641 | B | C | 3B |
| R1643 | B | C | 4B |
| R1644 | B | C | 3B |
| R1646 | B | C | 3B |
| R1701 | A | C | 4C |
| R1702 | A | C | 4C |
| R1703 | A | C | 4C |
| R1704 | A | C | 4C |
| R1705 | A | C | 4C |
| R1706 | A | C | 4C |
| R1707 | A | C | 4C |
| R1708 | A | C | 4C |
| R1709 | A | C | 4C |
| R1710 | A | C | 4C |
| R1711 | A | C | 4C |
| R1712 | A | C | 4C |
| R2701 | A | C | 4A |
| R2702 | A | C | 4A |
| R2703 | A | C | 4A |
| R2704 | A | C | 4A |
| R2705 | A | C | 3A |
| R2706 | A | C | 3A |
| R2707 | A | C | 4A |
| R2708 | A | C | 3A |
| R2709 | A | C | 4A |
| R2710 | A | C | 3A |
| R2909 | A | C | 1B |
| R2914 | A | C | 1B |
| R3002 | A | C | 3B |
| R3004 | A | C | 3B |
| R3007 | A | C | 3B |
| R3008 | A | C | 3B |
| R3009 | A | C | 3C |
| R3010 | A | C | 3C |
| R3011 | A | C | 3C |
| R3013 | A | C | 3C |
| R3014 | A | C | 3C |
| R3015 | A | C | 4C |
| R3016 | A | C | 4B |
| R3017 | A | C | 4B |
| R3018 | A | C | 4B |
| R3019 | A | C | 4B |
| R3020 | A | C | 4B |
| R3025 | A | C | 3C |
| R3026 | A | C | 3C |
| R3027 | A | C | 3C |
| R3028 | A | C | 3C |
| R3029 | A | C | 3C |
| R3030 | A | C | 3C |
| R3031 | A | C | 3C |
| R3032 | A | C | 3B |
| R3033 | A | C | 3B |
| R3034 | A | C | 3C |
| R3035 | A | C | 3C |
| R3036 | A | C | 3B |
| R3037 | A | C | 4B |
| R3041 | A | C | 3B |
| R3042 | A | C | 3B |
| R3043 | A | C | 3B |
| R3044 | A | C | 3B |
| R3046 | A | C | 4B |
| R3047 | A | C | 3B |
| R3049 | A | C | 2B |
| R3050 | A | C | 2B |

| REF.NO. | LOCATION | | |
|---|---|---|---|
| R3051 | A | C | 3B |
| R3052 | A | C | 3B |
| R3053 | A | C | 3B |
| R3054 | A | C | 3B |
| R3055 | A | C | 3B |
| R3056 | A | C | 3B |
| R3057 | A | C | 3C |
| R3058 | A | C | 3C |
| R3059 | A | C | 3C |
| R3060 | A | C | 3B |
| R3061 | A | C | 3B |
| R3062 | A | C | 3B |
| R3501 | A | C | 2C |
| R3502 | A | C | 2C |
| R3503 | A | C | 2C |
| R3504 | A | C | 2C |
| R3505 | A | C | 2C |
| R3506 | A | C | 2C |
| R3507 | A | C | 2C |
| R3508 | A | C | 2C |
| R3509 | A | C | 2B |
| R3521 | A | C | 2C |
| R3522 | A | C | 3C |
| R3523 | A | C | 2B |
| R3524 | A | C | 3C |
| R3525 | A | C | 2C |
| R3526 | A | C | 2B |
| R3527 | A | C | 2B |
| R3701 | B | C | 2A |
| R3702 | B | C | 2A |
| R3703 | B | C | 2A |
| R3704 | B | C | 2A |
| R3705 | B | C | 2A |
| R3706 | B | C | 2A |
| R3707 | B | C | 2A |
| R3708 | A | C | 4A |
| R3709 | A | C | 3A |
| R3711 | B | C | 2A |
| R3712 | B | C | 2A |
| R3713 | B | C | 2A |
| R3714 | B | C | 2A |
| R3715 | B | C | 2A |
| R3716 | B | C | 2A |
| R4203 | B | C | 1A |
| R4204 | B | C | 1A |
| R4205 | B | C | 1A |
| R4206 | B | C | 1A |
| R4207 | B | C | 1A |
| R4208 | B | C | 1A |
| R4301 | B | C | 1A |
| R4302 | B | C | 1B |
| R4303 | B | C | 1A |
| R4304 | B | C | 1A |
| R4307 | B | C | 1A |
| R4308 | B | C | 1A |
| R4309 | B | C | 2A |
| R4310 | B | C | 1A |
| R4311 | B | C | 1A |
| R4312 | B | C | 1A |
| R4313 | B | C | 1A |
| R4314 | B | C | 1A |
| R4315 | B | C | 1A |
| R4316 | B | C | 1A |
| R4317 | B | C | 1A |
| R4318 | B | C | 1A |
| R4319 | B | C | 1A |
| R4320 | B | C | 1A |
| R4321 | B | C | 1A |
| R4322 | B | C | 1B |
| R4323 | B | C | 1B |
| R4324 | B | C | 1B |
| R4325 | B | C | 1A |
| R4326 | B | C | 1A |
| R4327 | B | C | 1A |
| R4328 | B | C | 1A |
| R4329 | B | C | 1A |
| R4330 | B | C | 1A |
| R4331 | B | C | 1A |
| R4332 | B | C | 1A |
| R4333 | B | C | 1B |
| R4334 | B | C | 1B |
| R4335 | B | C | 1B |
| R4336 | B | C | 1B |
| R4338 | B | C | 1A |
| R4340 | B | C | 1B |
| R4341 | B | C | 1B |
| R4342 | B | C | 1B |
| R4343 | B | C | 1B |
| R5501 | A | C | 1A |
| R5503 | A | C | 1A |
| R5504 | A | C | 1A |

| REF.NO. | LOCATION | | |
|---|---|---|---|
| R5505 | A | C | 1A |
| R5506 | A | C | 1A |
| R5507 | A | C | 1A |
| R5509 | A | C | 1B |
| R5510 | A | C | 1B |
| R5511 | A | C | 1B |
| R5512 | A | C | 1B |
| R5513 | A | C | 1B |
| R5514 | A | C | 1B |
| R6001 | A | C | 4A |
| R6002 | A | C | 4A |
| R6003 | A | C | 4A |
| R6004 | A | C | 4A |
| R6005 | A | C | 4A |
| R6006 | A | C | 4A |
| R6007 | A | C | 4B |
| R6008 | A | C | 4A |
| R6011 | A | C | 4A |
| R6012 | B | C | 3C |
| R6013 | B | C | 3C |
| R6017 | A | C | 4A |
| R6018 | A | C | 4A |
| R6101 | B | C | 4B |
| R6102 | B | C | 4B |
| R6103 | B | C | 4B |
| R6104 | B | C | 4B |
| R6105 | B | C | 4B |
| R6106 | B | C | 4B |
| R6107 | B | C | 4B |
| R6108 | B | C | 4B |
| R6109 | B | C | 4B |
| R6110 | B | C | 4B |
| R6111 | B | C | 4B |
| R6112 | B | C | 4C |
| R6113 | B | C | 4C |
| R6114 | B | C | 4B |
| R6115 | B | C | 4C |
| R6116 | B | C | 4C |
| R6117 | B | C | 4C |
| R6118 | B | C | 4C |
| R6119 | B | C | 4C |
| R6120 | B | C | 4C |
| R6121 | B | C | 4C |
| R6122 | B | C | 4C |
| R6123 | B | C | 4C |
| R6124 | B | C | 4C |
| R6125 | B | C | 4C |
| R6126 | B | C | 4C |
| R6127 | B | C | 4C |
| R6128 | B | C | 4C |
| R6129 | B | C | 4C |
| R6130 | B | C | 4C |
| R6131 | B | C | 4C |
| R6132 | A | C | 4A |
| R6133 | A | C | 4A |
| R6134 | A | C | 4A |
| R6135 | A | C | 4A |
| R6136 | A | C | 4A |
| R6137 | A | C | 4A |
| R6138 | A | C | 4A |
| R6139 | A | C | 4A |
| R6140 | A | C | 4A |
| R6141 | A | C | 4A |
| R6144 | B | C | 4C |
| R6145 | B | C | 4C |
| R6146 | B | C | 4C |
| R6147 | B | C | 4C |
| R6148 | B | C | 4C |
| R6149 | A | C | 4A |
| R6150 | A | C | 4C |
| R7401 | A | C | 2B |
| R7402 | A | C | 2B |
| R7403 | A | C | 2B |
| R7404 | A | C | 1B |
| R7405 | A | C | 1B |
| R7406 | A | C | 1B |
| R7407 | A | C | 2B |
| R7408 | A | C | 2B |
| R7409 | A | C | 1B |
| R7410 | A | C | 1B |
| R7411 | A | C | 1B |
| R7415 | A | C | 2B |
| R7416 | A | C | 2B |
| R7420 | A | C | 1B |
| R7421 | A | C | 1B |
| R7422 | A | C | 1B |
| R7423 | A | C | 1B |
| R7426 | A | C | 1B |
| R7433 | A | C | 2B |
| R7436 | A | C | 2B |
| R7437 | A | C | 2B |

| REF.NO. | LOCATION | | |
|---|---|---|---|
| R7439 | A | C | 2B |
| R7440 | A | C | 2B |
| R7441 | A | C | 2B |
| R7445 | A | C | 1B |
| R7446 | A | C | 1B |
| R7447 | A | C | 2B |
| R7448 | A | C | 2B |
| R7449 | A | C | 1B |
| R7801 | A | C | 2A |
| R7802 | A | C | 2A |
| R7803 | A | C | 2A |
| R7804 | A | C | 2A |
| R7805 | A | C | 2B |
| R7806 | A | C | 2B |
| R7808 | A | C | 2B |
| R7809 | A | C | 3A |
| R7810 | A | C | 3A |
| R7812 | A | C | 2B |
| R7813 | A | C | 2B |
| R7814 | A | C | 3A |
| R7815 | A | C | 3A |
| R7816 | A | C | 3A |
| R7817 | A | C | 3A |
| R7820 | A | C | 3A |
| R7821 | A | C | 3A |
| R7822 | A | C | 3A |
| R7823 | A | C | 3A |
| R7824 | A | C | 3A |
| R7825 | A | C | 3A |
| R7826 | A | C | 2A |
| R7827 | A | C | 2A |
| R7834 | A | C | 3A |
| R7835 | A | C | 3A |
| R7836 | A | C | 3A |
| R7837 | A | C | 3A |
| R7838 | A | C | 3A |
| R7846 | A | C | 3A |
| R7847 | A | C | 3A |
| R7848 | A | C | 3A |
| R7849 | A | C | 3A |
| R7850 | A | C | 3A |
| R7857 | A | C | 2B |
| R7858 | A | C | 2B |
| R7859 | A | C | 2B |
| R7881 | A | C | 1A |
| R7882 | A | C | 1A |
| R7883 | A | C | 2B |
| R7884 | A | C | 2B |
| R7885 | A | C | 1A |
| R7887 | A | C | 3A |
| R7888 | A | C | 3A |
| R7889 | A | C | 3A |
| R8001 | B | C | 3B |
| R8002 | B | C | 2B |
| R8004 | B | C | 2B |
| R8006 | B | C | 2B |
| R8007 | B | C | 2B |
| R8008 | B | C | 2B |
| R8009 | B | C | 2B |
| R8010 | B | C | 2B |
| R8011 | B | C | 2B |
| R8014 | B | C | 2B |
| R8015 | B | C | 2B |
| R8017 | B | C | 2B |
| R8020 | B | C | 2B |
| R8021 | B | C | 2B |
| R8022 | B | C | 2B |
| R8023 | B | C | 2B |
| R8025 | B | C | 2B |
| R8026 | B | C | 2B |
| R8027 | B | C | 2B |
| R8028 | B | C | 2B |
| R8029 | B | C | 2B |
| R8030 | B | C | 3A |
| R8032 | B | C | 2B |
| R8033 | B | C | 2B |
| R8034 | B | C | 3A |
| R8035 | B | C | 3A |
| R8036 | B | C | 2B |
| R8037 | B | C | 2B |
| R8038 | B | C | 2B |
| R8040 | B | C | 2B |
| R8046 | B | C | 3B |
| R8047 | B | C | 2B |
| R8049 | B | C | 3B |
| R8050 | B | C | 3A |
| R8051 | B | C | 3B |
| R8052 | B | C | 2B |
| R8053 | B | C | 3B |
| R8054 | B | C | 3B |
| R8055 | B | C | 3B |

| REF.NO. | LOCATION | | |
|---|---|---|---|
| R8101 | B | C | 2C |
| R8102 | B | C | 2C |
| R8104 | B | C | 2C |
| R8105 | B | C | 2C |
| R8106 | B | C | 2C |
| R8107 | B | C | 2C |
| R8108 | B | C | 2C |
| R8109 | B | C | 2C |
| R8110 | B | C | 2C |
| R8111 | B | C | 3C |
| R8112 | B | C | 3C |
| R8113 | B | C | 2C |
| R8114 | B | C | 3C |
| R8115 | B | C | 2C |
| R8116 | B | C | 2C |
| R8117 | B | C | 2C |
| R8118 | B | C | 2C |
| R8119 | B | C | 2C |
| R8120 | B | C | 2C |
| R8121 | B | C | 2C |
| R8122 | B | C | 2C |
| R8123 | B | C | 2C |
| R8124 | B | C | 2C |
| R8125 | B | C | 2C |
| R8126 | B | C | 2C |
| R8127 | B | C | 2C |
| R8128 | B | C | 2C |
| R8129 | B | C | 2C |
| R8130 | B | C | 2C |
| R8131 | B | C | 2C |
| R8132 | B | C | 2C |
| R8133 | B | C | 2C |
| R8134 | B | C | 3C |
| R8135 | B | C | 2C |
| R8136 | B | C | 3B |
| R8401 | B | C | 3B |
| R8402 | A | C | 4A |
| R8403 | A | C | 4A |
| R8404 | A | C | 4B |
| R8406 | A | C | 4B |
| R8407 | A | C | 4B |
| R8408 | B | C | 3B |
| R8409 | B | C | 3A |
| R8410 | B | C | 3B |
| R8411 | B | C | 3B |
| R8412 | B | C | 3B |
| R8413 | B | C | 3B |
| R8414 | B | C | 3B |
| R8415 | B | C | 3B |
| R8416 | B | C | 3B |
| RA1008 | A | C | 1C |
| RA1009 | A | C | 1C |
| RA1010 | A | C | 1C |
| RA1401 | A | C | 3A |
| RA1402 | A | C | 3A |
| RA3001 | A | C | 3C |
| RA4301 | B | C | 2A |
| RA4302 | B | C | 2A |
| RA4303 | B | C | 2A |
| RA4304 | B | C | 2A |
| RA4305 | B | C | 2A |
| RA4306 | B | C | 2A |
| RA4307 | B | C | 2B |
| RA4308 | B | C | 2B |
| RA4309 | B | C | 2A |
| RA4310 | B | C | 2A |
| RA8001 | B | C | 2B |
| RA8002 | B | C | 2B |
| RA8003 | B | C | 2B |
| RA8004 | B | C | 2B |
| RA8401 | B | C | 3A |
| RA8402 | B | C | 3A |
| RA8403 | B | C | 3A |
| RA8404 | B | C | 3A |
| **OTHER** | | | |
| J101 | A | D | 4B |
| PC06 | A | C | 5C |
| PC01296 | A | D | 3C |
| S1001 | A | C | 1C |
| TL1001 | B | C | 1B |
| TL1002 | B | C | 1B |
| TL1003 | B | C | 1B |
| TL1401 | A | C | 3A |
| TL1402 | A | C | 3A |
| TL1406 | A | C | 3A |
| TL1407 | A | C | 4B |
| TL1408 | A | C | 4B |
| TL1410 | A | C | 4B |
| TL1411 | A | C | 4B |
| TL1412 | A | C | 3B |

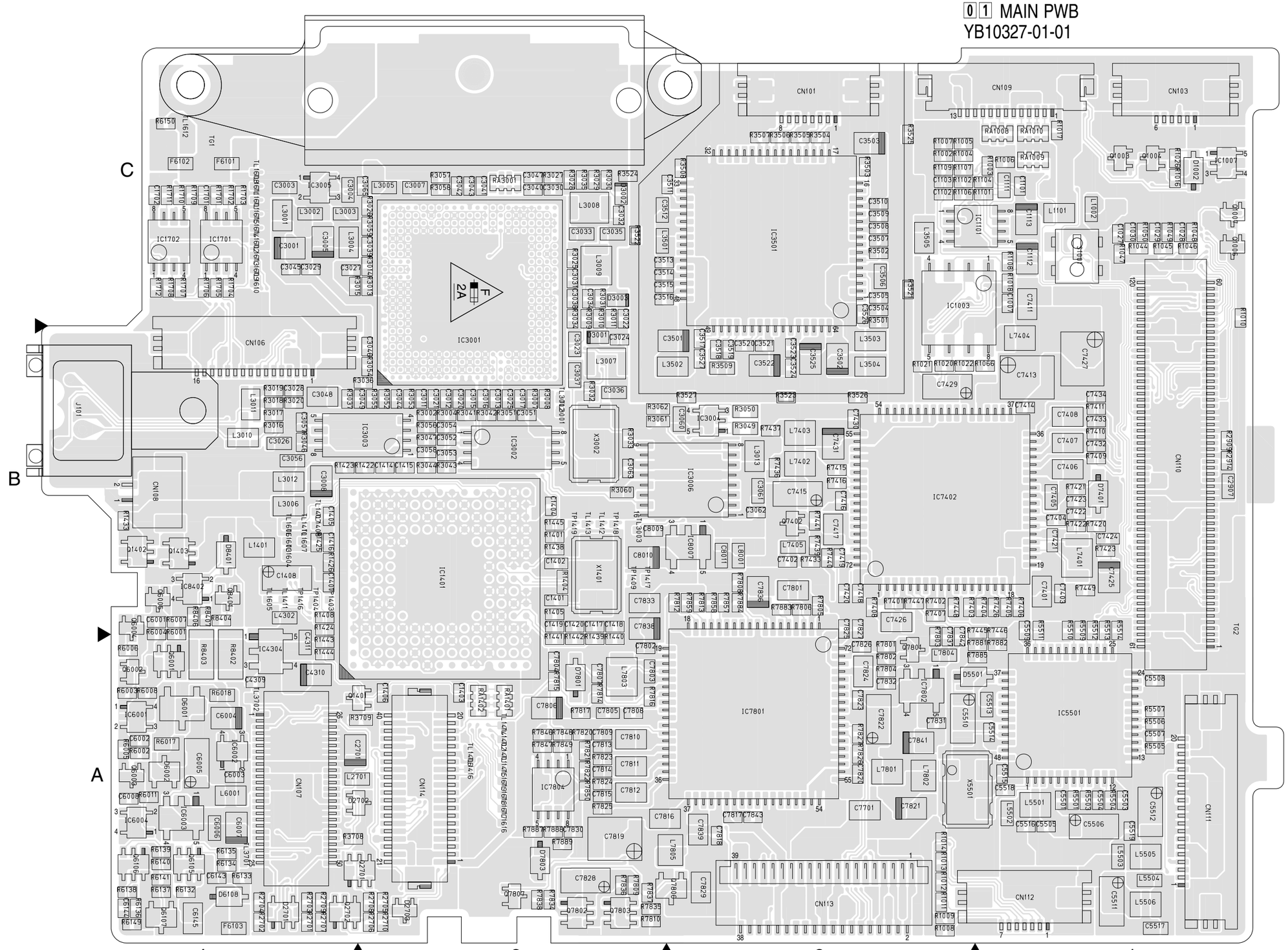
| REF.NO. | LOCATION | | |
|---|---|---|---|
| TL1413 | A | C | 3B |
| TL1414 | A | C | 3A |
| TL1415 | A | C | 3A |
| TL1416 | A | C | 3A |
| TL1601 | A | C | 4C |
| TL1602 | A | C | 4C |
| TL1603 | A | C | 4B |
| TL1604 | A | C | 4B |
| TL1605 | A | C | 4B |
| TL1606 | A | C | 4B |
| TL1607 | A | C | 4B |
| TL1608 | A | C | 4C |
| TL1609 | A | C | 4C |
| TL1610 | A | C | 4C |
| TL1611 | A | C | 4C |
| TL1612 | A | C | 4C |
| TL1613 | A | C | 4C |
| TL1614 | A | C | 4C |
| TL1615 | A | C | 4C |
| TL1616 | A | C | 3A |
| TL1617 | A | C | 3A |
| TL1618 | A | C | 3A |
| TL1619 | A | C | 3A |
| TL3001 | A | C | 3B |
| TL3002 | A | C | 3B |
| TL3003 | A | C | 3B |
| TL3701 | A | C | 4A |
| TL3702 | A | C | 4A |
| TL3703 | B | C | 2A |
| TL3704 | B | C | 2A |
| TL3705 | B | C | 2A |
| TL4201 | B | C | 1A |
| TL4202 | B | C | 1A |
| TL4203 | B | C | 1A |
| TL4301 | B | C | 1B |
| TL4302 | B | C | 1B |
| TL4303 | B | C | 1B |
| TL4304 | B | C | 1B |
| TL4305 | B | C | 1B |
| TL4306 | B | C | 1B |
| TL4307 | B | C | 1B |
| TL4308 | B | C | 1B |
| TL4309 | B | C | 1B |
| TL4310 | B | C | 1B |
| TL4311 | B | C | 1B |
| TL4312 | B | C | 1B |
| TL4313 | B | C | 1B |
| TL4314 | B | C | 1B |
| TL4405 | B | C | 1A |
| TL8001 | B | C | 1B |
| TL8002 | B | C | 2B |
| TL8003 | B | C | 2B |
| TL8005 | B | C | 3B |
| TL8006 | B | C | 2B |
| TL8007 | B | C | 1B |
| TL8008 | B | C | 1B |
| TL8011 | B | C | 1B |
| TL8014 | B | C | 3B |
| TL8015 | B | C | 2C |
| TL8017 | B | C | 2B |
| TL8019 | B | C | 2B |
| TL8020 | B | C | 2C |
| TL8101 | B | C | 3C |
| TL8102 | B | C | 3C |
| TL8104 | B | C | 3C |
| TL8105 | B | C | 3C |
| TL8106 | B | C | 3C |
| TL8107 | B | C | 3C |
| TL8108 | B | C | 3C |
| TM2 | A | C | 5C |
| TP1403 | A | C | 4B |
| TP1404 | A | C | 4B |
| TP1409 | A | C | 3B |
| TP1416 | A | C | 4B |
| TP1417 | A | C | 3B |
| TP1418 | A | C | 3B |
| TP1419 | A | C | 3B |
| X1001 | B | C | 1C |
| X1002 | B | C | 1C |
| X1401 | A | C | 3B |
| X3002 | A | C | 3B |
| X5501 | A | C | 2A |
| X8002 | B | C | 2B |
| X8101 | B | C | 2C |
| X8401 | B | C | 3B |

• CAUTION:
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD ,REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S).

• ATTENTION:
POUR UNE PROTECTION PERMANENTE CONTRE LES RISQUE D'INCENDE, REMPLACER LES FUSIBLES PAR UN AUTRE DE MEME TYPE ET DE MEME TENSION.

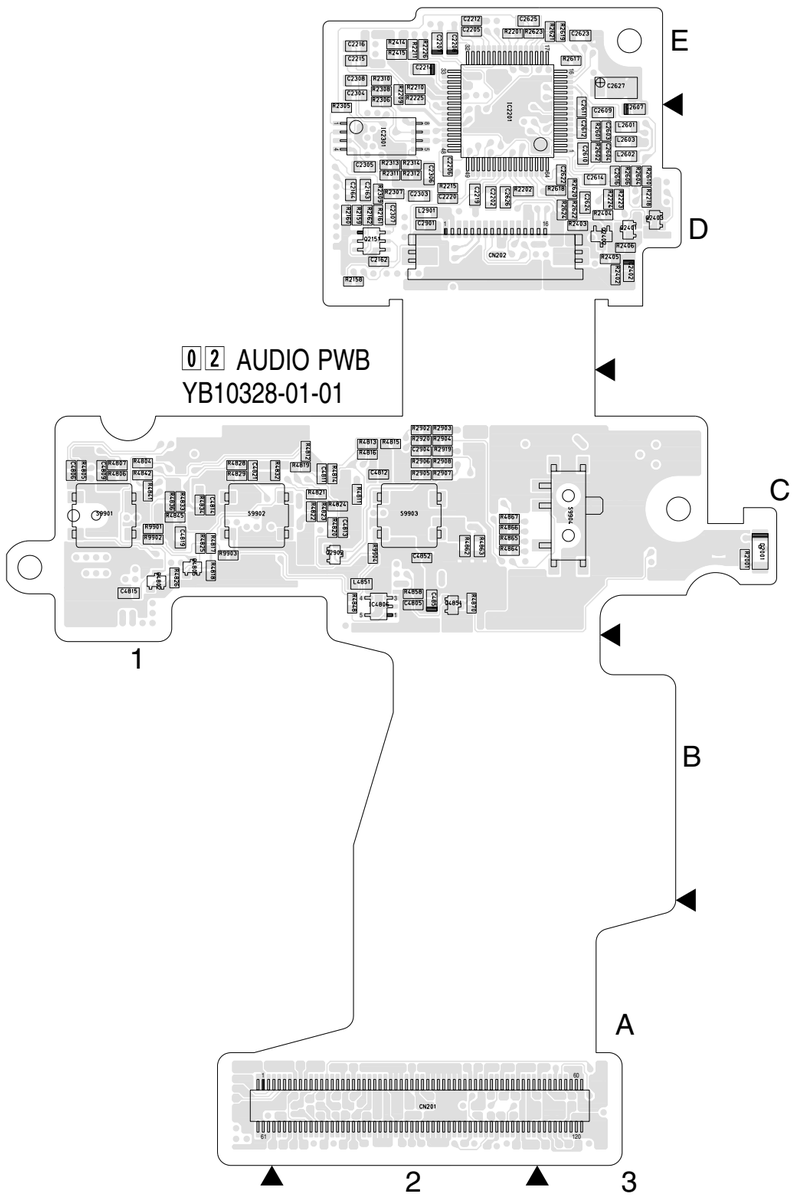
COMPONENT SIDE(A)

## 01 MAIN PWB
YB10327-01-01



## 4.27 AUDIO CIRCUIT BOARD

FOIL SIDE(B)




**COMPONENT PARTS LOCATION GUIDE <AUDIO>**

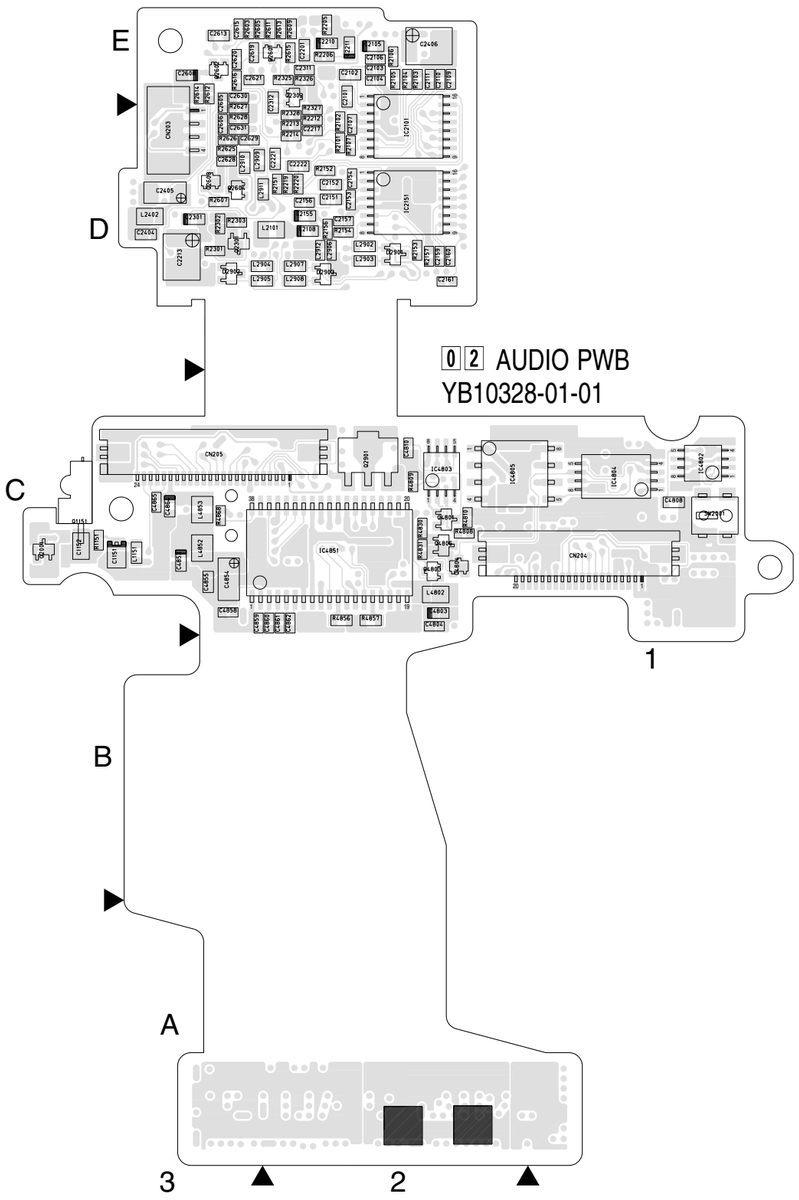
| REF.NO. | LOCATION |
|---|---|
| **CAPACITOR** | |
| C1151 | A C 3C |
| C1152 | A C 3C |
| C2101 | A C 2E |
| C2102 | A C 2E |
| C2103 | A C 2E |
| C2104 | A C 2E |
| C2105 | A C 2E |
| C2106 | A C 2E |
| C2107 | A C 2D |
| C2108 | A C 2D |
| C2109 | A C 2E |
| C2110 | A C 2E |
| C2111 | A C 2E |
| C2151 | A C 2D |
| C2152 | A C 2D |
| C2153 | A C 2D |
| C2154 | A C 2D |
| C2155 | A C 2D |
| C2156 | A C 2D |
| C2157 | A C 2D |
| C2159 | A C 2D |
| C2160 | A C 2D |
| C2161 | A C 2D |
| C2162 | B C 2D |
| C2163 | B C 2D |
| C2164 | B C 2D |
| C2201 | A C 2E |
| C2202 | B C 2D |
| C2205 | B C 2E |
| C2206 | B C 2D |
| C2207 | B C 2E |
| C2208 | B C 2E |
| C2210 | A C 2E |
| C2211 | A C 2E |
| C2212 | B C 2E |
| C2213 | A C 3D |
| C2214 | B C 2E |
| C2215 | B C 2E |
| C2216 | B C 2E |
| C2217 | A C 2D |
| C2219 | B C 2D |
| C2220 | B C 2D |
| C2221 | A C 2D |
| C2222 | A C 2D |
| C2301 | A C 3D |
| C2303 | B C 2D |
| C2304 | B C 2E |
| C2305 | B C 2D |
| C2306 | B C 2D |
| C2307 | B C 2D |
| C2308 | B C 2E |
| C2311 | A C 2E |
| C2312 | A C 2E |
| C2402 | B C 3D |
| C2404 | A C 3D |
| C2405 | A C 3D |
| C2406 | A C 2E |
| C2603 | B C 3D |
| C2604 | B C 3D |
| C2605 | A C 3E |
| C2606 | A C 3D |
| C2607 | B C 3D |
| C2608 | A C 3E |
| C2609 | B C 3D |
| C2610 | B C 3D |
| C2611 | B C 3D |
| C2612 | B C 3D |
| C2613 | A C 3E |
| C2614 | B C 3D |
| C2615 | A C 3E |
| C2616 | B C 3D |
| C2619 | A C 3E |
| C2620 | A C 3E |
| C2621 | A C 3E |
| C2622 | B C 3D |
| C2623 | B C 3E |
| C2624 | B C 3D |
| C2625 | B C 2E |
| C2626 | B C 2D |
| C2627 | B C 3E |
| C2628 | A C 3D |
| C2629 | A C 3D |
| C2630 | A C 3E |
| C2631 | A C 3D |

| REF.NO. | LOCATION |
|---|---|
| C2901 | B C 2D |
| C2904 | B C 2C |
| C4803 | A C 2C |
| C4804 | A C 2C |
| C4805 | B C 2C |
| C4806 | B C 1C |
| C4808 | A C 1C |
| C4809 | B C 1C |
| C4810 | A C 2C |
| C4811 | B C 2C |
| C4812 | B C 2C |
| C4813 | B C 2C |
| C4814 | B C 1C |
| C4815 | B C 1C |
| C4819 | B C 1C |
| C4821 | B C 1C |
| C4851 | B C 2C |
| C4852 | B C 2C |
| C4853 | A C 3C |
| C4854 | A C 3C |
| C4855 | A C 3C |
| C4858 | A C 3C |
| C4859 | A C 3C |
| C4860 | A C 2C |
| C4861 | A C 2C |
| C4862 | A C 2C |
| C4864 | A C 3C |
| C4865 | A C 3C |
| **CONNECTOR** | |
| CN201 | B C 1A |
| CN202 | B C 2D |
| CN203 | A C 3D |
| CN204 | A C 1C |
| CN205 | A C 2C |
| **DIODE** | |
| D2001 | B C 3C |
| D2901 | A C 2D |
| D2902 | A C 3D |
| D2903 | A C 2D |
| **IC** | |
| IC2101 | A C 2D |
| IC2151 | A C 2D |
| IC2201 | B C 2D |
| IC2301 | B C 2D |
| IC4802 | A C 1C |
| IC4803 | A C 2C |
| IC4804 | A C 1C |
| IC4805 | A C 2C |
| IC4806 | B C 2C |
| IC4851 | A C 2C |
| **COIL** | |
| L1151 | A C 3C |
| L2101 | A C 2D |
| L2402 | A C 3D |
| L2601 | B C 3D |
| L2602 | B C 3D |
| L2603 | B C 3D |
| L2901 | B C 2D |
| L2902 | A C 2D |
| L2903 | A C 2D |
| L2904 | A C 3D |
| L2905 | A C 3D |
| L2906 | A C 2D |
| L2907 | A C 2D |
| L2908 | A C 2D |
| L2909 | A C 3D |
| L2910 | A C 3D |
| L2911 | A C 2D |
| L2912 | A C 2D |
| L4802 | A C 2C |
| L4851 | B C 2C |
| L4852 | A C 3C |
| L4853 | A C 3C |
| **TRANSISTOR** | |
| Q1151 | A C 3C |
| Q2001 | A C 3C |
| Q2151 | B C 2D |
| Q2301 | A C 3D |
| Q2302 | A C 2E |
| Q2401 | B C 3D |
| Q2402 | B C 3D |
| Q2403 | B C 3D |
| Q2601 | A C 2E |

| REF.NO. | LOCATION |
|---|---|
| Q2602 | A C 3E |
| Q2603 | A C 3D |
| Q2604 | A C 3D |
| Q2901 | A C 2C |
| Q2902 | B C 2C |
| Q4801 | A C 2C |
| Q4802 | B C 1C |
| Q4803 | A C 2C |
| Q4804 | A C 2C |
| Q4805 | B C 1C |
| Q4806 | A C 2C |
| Q4851 | B C 2C |
| **RESISTOR** | |
| R1151 | A C 3C |
| R2001 | B C 3C |
| R2101 | A C 2D |
| R2102 | A C 2D |
| R2103 | A C 2E |
| R2104 | A C 2E |
| R2105 | A C 2E |
| R2106 | A C 2E |
| R2107 | A C 2D |
| R2151 | A C 2D |
| R2152 | A C 2D |
| R2153 | A C 2D |
| R2154 | A C 2D |
| R2156 | A C 2D |
| R2157 | A C 2D |
| R2158 | B C 2D |
| R2159 | B C 2D |
| R2160 | B C 2D |
| R2161 | B C 2D |
| R2162 | B C 2D |
| R2201 | B C 2E |
| R2202 | B C 2D |
| R2205 | A C 2E |
| R2206 | A C 2E |
| R2209 | B C 2E |
| R2210 | B C 2E |
| R2211 | B C 2E |
| R2212 | A C 2D |
| R2213 | A C 2D |
| R2214 | A C 2D |
| R2215 | B C 2D |
| R2218 | B C 3D |
| R2219 | A C 2D |
| R2220 | A C 2D |
| R2223 | B C 3D |
| R2224 | B C 3D |
| R2225 | B C 2E |
| R2226 | B C 2E |
| R2301 | A C 3D |
| R2302 | A C 3D |
| R2303 | A C 3D |
| R2305 | B C 2D |
| R2306 | B C 2E |
| R2307 | B C 2D |
| R2308 | B C 2E |
| R2309 | B C 2D |
| R2310 | B C 2E |
| R2311 | B C 2D |
| R2312 | B C 2D |
| R2313 | B C 2D |
| R2314 | B C 2D |
| R2325 | A C 2E |
| R2326 | A C 2E |
| R2327 | A C 2D |
| R2328 | A C 2D |
| R2402 | B C 3D |
| R2403 | B C 3D |
| R2404 | B C 3D |
| R2405 | B C 3D |
| R2406 | B C 3D |
| R2414 | B C 2E |
| R2415 | B C 2E |
| R2601 | B C 3D |
| R2602 | B C 3D |
| R2603 | A C 3E |
| R2604 | B C 3D |
| R2605 | A C 3E |
| R2606 | B C 3D |
| R2607 | A C 3D |
| R2609 | A C 2E |
| R2610 | B C 3D |
| R2611 | A C 2E |

| REF.NO. | LOCATION |
|---|---|
| R2612 | A C 3E |
| R2613 | A C 2E |
| R2614 | A C 3E |
| R2615 | A C 2E |
| R2616 | A C 3E |
| R2617 | B C 3E |
| R2618 | B C 3D |
| R2619 | B C 3E |
| R2620 | B C 3D |
| R2621 | B C 3E |
| R2622 | B C 3D |
| R2623 | B C 2E |
| R2624 | B C 3D |
| R2625 | A C 3D |
| R2626 | A C 3D |
| R2627 | A C 3D |
| R2628 | A C 3D |
| R2902 | B C 2C |
| R2903 | B C 2C |
| R2904 | B C 2C |
| R2905 | B C 2C |
| R2906 | B C 2C |
| R2907 | B C 2C |
| R2908 | B C 2C |
| R2919 | B C 2C |
| R2920 | B C 2C |
| R4804 | B C 1C |
| R4805 | B C 1C |
| R4806 | B C 1C |
| R4807 | B C 1C |
| R4808 | A C 2C |
| R4809 | A C 2C |
| R4810 | A C 2C |
| R4811 | B C 2C |
| R4812 | B C 2C |
| R4813 | B C 2C |
| R4814 | B C 2C |
| R4815 | B C 2C |
| R4816 | B C 2C |
| R4817 | B C 1C |
| R4818 | B C 1C |
| R4819 | B C 2C |
| R4820 | B C 2C |
| R4821 | B C 2C |
| R4822 | B C 2C |
| R4823 | B C 2C |
| R4824 | B C 2C |
| R4825 | B C 1C |
| R4826 | B C 1C |
| R4828 | B C 1C |
| R4829 | B C 1C |
| R4830 | A C 2C |
| R4831 | A C 2C |
| R4832 | B C 2C |
| R4833 | B C 1C |
| R4834 | B C 1C |
| R4836 | B C 1C |
| R4841 | B C 1C |
| R4842 | B C 1C |
| R4845 | B C 1C |
| R4848 | B C 2C |
| R4856 | A C 2C |
| R4857 | A C 2C |
| R4858 | B C 2C |
| R4862 | B C 2C |
| R4863 | B C 2C |
| R4864 | B C 2C |
| R4865 | B C 2C |
| R4866 | B C 2C |
| R4867 | B C 2C |
| R4868 | A C 3C |
| R4870 | B C 2C |
| R9901 | B C 1C |
| R9902 | B C 1C |
| R9903 | B C 1C |
| R9904 | B C 2C |
| **OTHER** | |
| J1 | A C 1E |
| J2 | A C 1E |
| S7001 | A C 1E |
| S9901 | B C 1C |
| S9902 | B C 1C |
| S9903 | B C 2C |
| S9904 | B C 3C |
| SW2001 | A C 1C |

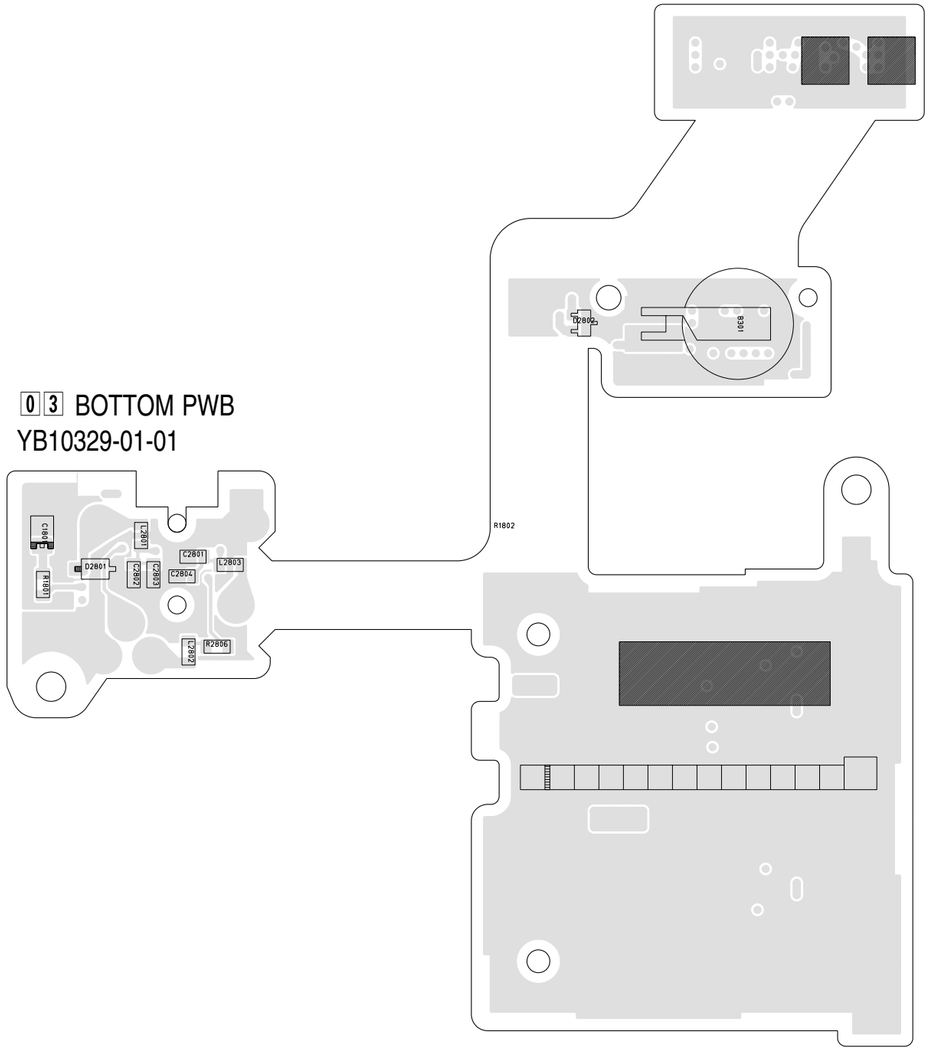
COMPONENT SIDE(A)



## 4.28 BOTTOM CIRCUIT BOARD

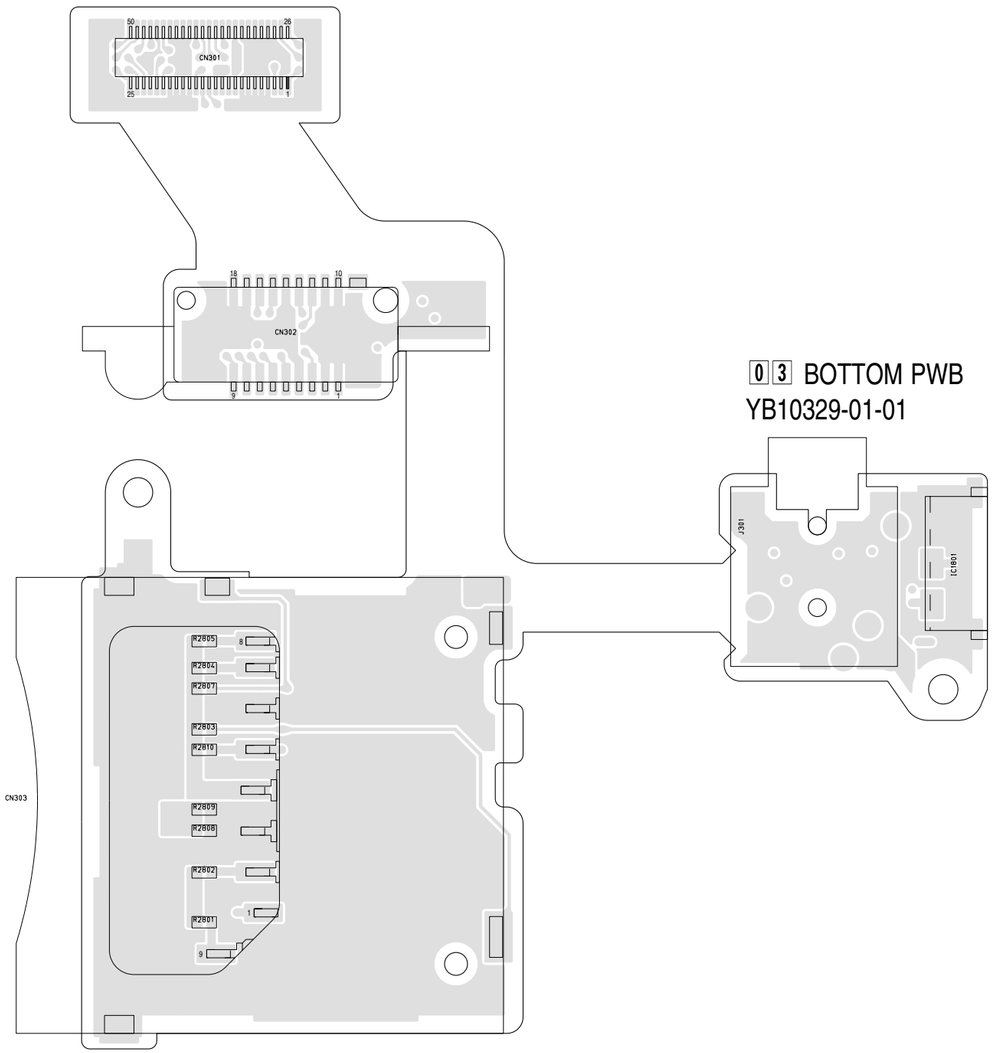
FOIL SIDE(B)

03 BOTTOM PWB
YB10329-01-01



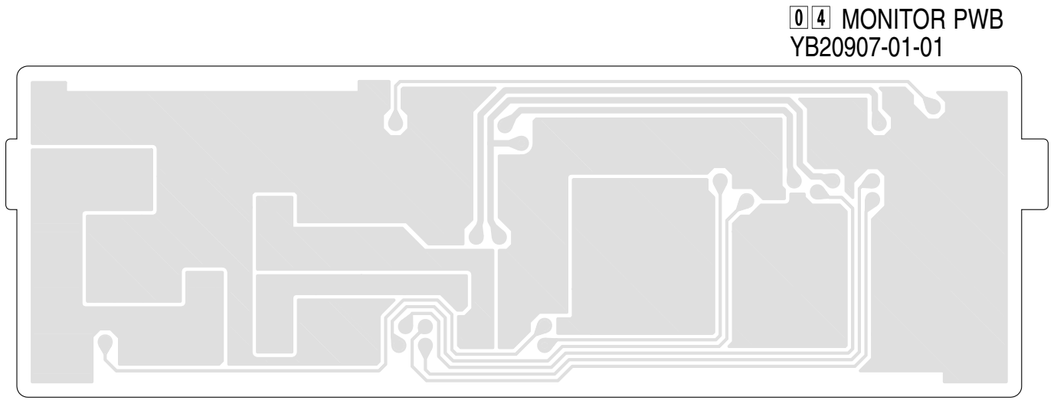

COMPONENT SIDE(A)

03 BOTTOM PWB
YB10329-01-01

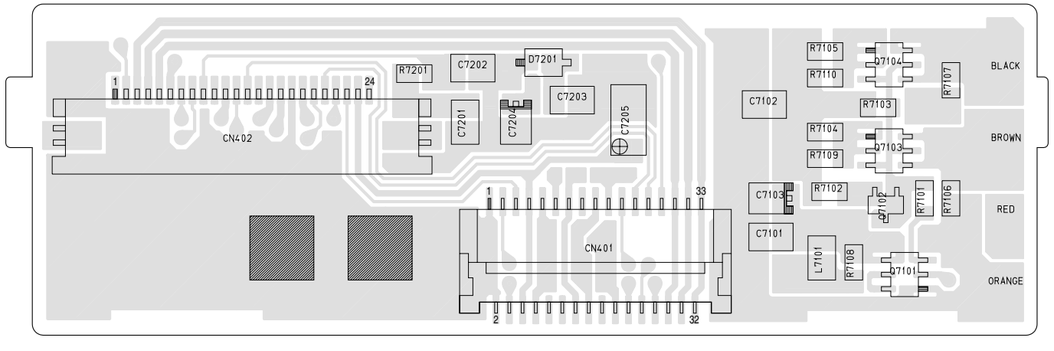


## 4.29 MONITOR CIRCUIT BOARD

FOIL SIDE(B)



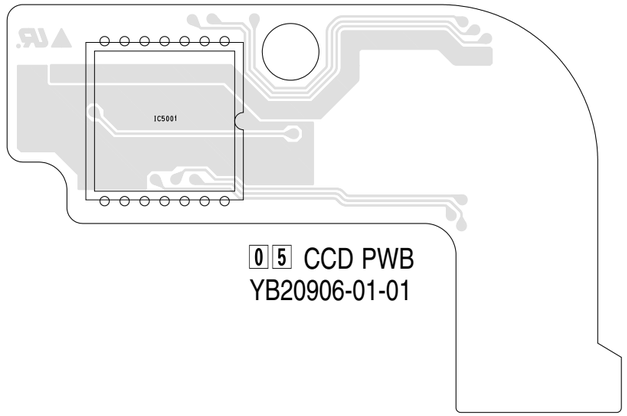

COMPONENT SIDE(A)



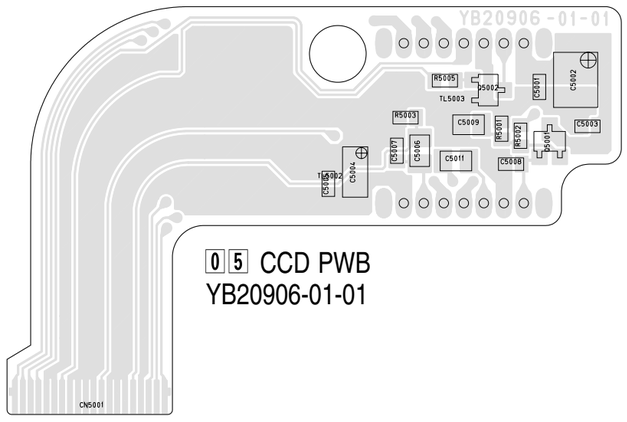

## 4.30 CCD AND EJECT CIRCUIT BOARDS

—CCD—

FOIL SIDE(B)

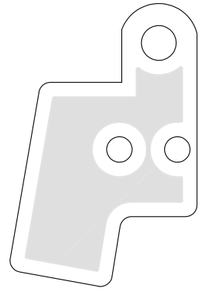



COMPONENT SIDE(A)

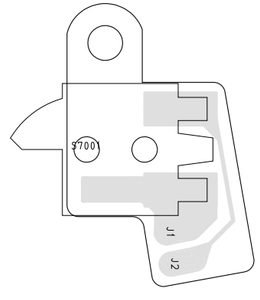



—EJECT—

FOIL SIDE(B)




COMPONENT SIDE(A)



## 4.31 VOLTAGE CHARTS

**<REG CON>**

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| IC6001 | | |
| 1 | 6.8 | 6.8 |
| 2 | 6.5 | 6.6 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| IC6002 | | |
| 1 | 0 | 0 |
| 2 | 6.8 | 6.8 |
| 3 | 0 | 3.3 |
| 4 | 0 | 0 |
| IC6003 | | |
| 1 | 6.8 | 6.8 |
| 2 | 0 | 0 |
| 3 | 6.8 | 6.8 |
| 4 | 0 | 0 |
| 5 | 3.0 | 3.0 |
| IC6004 | | |
| 1 | 3.0 | 3.0 |
| 2 | 3.0 | 3.0 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| Q2701 | | |
| 1(E) | 0 | 0 |
| 2(B) | 0 | 0 |
| 3(C) | 0 | 0 |
| 4(E) | 0 | 0 |
| 5(B) | 0 | 0 |
| 6(C) | 0 | 0 |
| Q2702 | | |
| 1(E) | 0 | 0 |
| 2(B) | 0 | 0 |
| 3(C) | 0 | 0 |
| 4(E) | 0 | 0 |
| 5(B) | 0 | 0 |
| 6(C) | 0 | 0 |
| Q6001 | | |
| 1(D) | 0 | 6.8 |
| 2(D) | 0 | 6.8 |
| 3(G) | 0 | 0 |
| 4(S) | 6.8 | 6.8 |
| 5(D) | 6.8 | 6.8 |
| 6(D) | 6.8 | 6.8 |
| Q6002 | | |
| D | 0 | 0 |
| S | 0 | 0 |
| G | 6.8 | 6.8 |
| Q6003 | | |
| D | 0 | 0 |
| S | 0 | 0 |
| G | 3.1 | 3.1 |
| Q6004 | | |
| D | 6.5 | 6.5 |
| S | 0 | 0 |
| G | 0 | 0 |
| Q6005 | | |
| E | 0 | 0 |
| C | 0 | 0 |
| B | 3.0 | 3.0 |

**<REG>**

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| IC6101 | | |
| 1 | 2.2 | 2.2 |
| 2 | 1.2 | 1.2 |
| 3 | 2.2 | 2.2 |
| 4 | 0 | 0 |
| 5 | 6.8 | 6.8 |
| 6 | 1.0 | 1.0 |
| 7 | 1.3 | 1.3 |
| 8 | 2.2 | 2.2 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0.8 | 0.8 |
| 12 | 1.0 | 1.0 |
| 13 | 1.0 | 1.0 |
| 14 | 0.7 | 0.7 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0.6 | 0.6 |
| 18 | 1.0 | 1.0 |
| 19 | 1.1 | 1.1 |
| 20 | 1.0 | 1.0 |
| 21 | 1.0 | 1.0 |
| 22 | 0.9 | 0.9 |
| 23 | 1.0 | 1.0 |
| 24 | 1.0 | 1.0 |
| 25 | 1.0 | 1.0 |
| 26 | 0.9 | 0.9 |
| 27 | 0 | 0 |
| 28 | 1.0 | 1.0 |
| 29 | 0 | 0 |
| 30 | 2.4 | 2.4 |
| 31 | 0.7 | 0.7 |
| 32 | 0.7 | 0.7 |
| 33 | 6.8 | 6.8 |
| 34 | 6.8 | 6.8 |
| 35 | 3.0 | 3.0 |
| 36 | 3.0 | 3.0 |
| 37 | 0 | 0 |
| 38 | 4.4 | 4.4 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0 | 0 |
| 48 | 2.2 | 2.2 |
| Q6101 | | |
| 1 | 3.6 | 3.4 |
| 2 | 6.8 | 6.8 |
| 3 | 4.8 | 4.8 |
| 4 | 1.8 | 1.8 |
| 5 | 0 | 0 |
| 6 | 3.0 | 3.0 |
| Q6102 | | |
| 1(D) | 4.4 | 4.4 |
| 2(D) | 6.8 | 6.8 |
| 3(G) | 5.8 | 5.8 |
| 4(S) | 0.9 | 0.9 |
| 5(D) | 6.8 | 6.8 |
| 6(D) | 2.6 | 2.6 |

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| Q6103 | | |
| 1(D) | 1.9 | 1.9 |
| 2(D) | 6.8 | 6.8 |
| 3(G) | 2.7 | 2.0 |
| 4(S) | 0 | 1.2 |
| 5(D) | 6.8 | 6.8 |
| 6(D) | 4.8 | 4.8 |
| Q6104 | | |
| E | -15.5 | -16.2 |
| C | -6.6 | -7.0 |
| B | -15.0 | -15.8 |
| Q6105 | | |
| 1(D) | -5.0 | -5.0 |
| 2(D) | -4.8 | -4.8 |
| 3(G) | -15.0 | -15.0 |
| 4(S) | 0 | 0 |
| 5(D) | 0 | 0 |
| 6(D) | 0 | 0 |
| Q6106 | | |
| 1(D) | 4.3 | 4.3 |
| 2(D) | 4.9 | 4.9 |
| 3(G) | 15.2 | 15.2 |
| 4(S) | 4.3 | 4.3 |
| 5(D) | 4.8 | 4.8 |
| 6(D) | 15.8 | 15.8 |
| Q6107 | | |
| E | 15.8 | 15.8 |
| C | 12.2 | 12.2 |
| B | 15.2 | 15.2 |

**<AUDIO AD/DA>**

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| IC2101 | | |
| 1 | 1.3 | 0 |
| 2 | 0 | 0 |
| 3 | 1.4 | 0 |
| 4 | 0 | 0 |
| 5 | 3.0 | 3.0 |
| 6 | 3.0 | 3.1 |
| 7 | 0 | 0 |
| 8 | 0 | 0 |
| 9 | 1.4 | 1.3 |
| 10 | 1.5 | 1.5 |
| 11 | 1.4 | 1.4 |
| 12 | 0 | 1.5 |
| 13 | 3.0 | 0 |
| 14 | 0 | 3.1 |
| 15 | 2.0 | 1.4 |
| 16 | 1.9 | 1.3 |
| IC2151 | | |
| 1 | 0 | 0 |
| 2 | 0 | 0 |
| 3 | 1.2 | - |
| 4 | 0 | 0 |
| 5 | 3.0 | 3.0 |
| 6 | 0 | 3.0 |
| 7 | 0 | 0 |
| 8 | 0 | 0 |
| 9 | 0 | 0 |
| 10 | 1.5 | 1.5 |
| 11 | 1.6 | 1.6 |
| 12 | 1.5 | 1.5 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| Q2151 | | |
| 1(E) | 0 | 0 |
| 2(B) | 0 | 0 |
| 3(C) | 0 | 0 |
| 4(E) | 0 | 0 |
| 5(B) | 0 | 0 |
| 6(C) | 0 | 0 |

**<MAIN AUDIO>**

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| IC2201 | | |
| 1 | 1.4 | 0 |
| 2 | 1.4 | 0 |
| 3 | 1.4 | 0.5 |
| 4 | 1.4 | 0 |
| 5 | 1.4 | 0 |
| 6 | 1.4 | 1.6 |
| 7 | 0 | 0 |
| 8 | 2.1 | 2.3 |
| 9 | 2.1 | 2.3 |
| 10 | 0 | 0 |
| 11 | 1.4 | 1.6 |
| 12 | 1.4 | 1.0 |
| 13 | 1.4 | 1.6 |
| 14 | 1.4 | 0.5 |
| 15 | 1.4 | 0 |
| 16 | 0 | 0.5 |
| 17 | 1.4 | 1.6 |
| 18 | 1.4 | 1.6 |
| 19 | 1.4 | 1.0 |
| 20 | 1.4 | 0.8 |
| 21 | 1.4 | 0 |
| 22 | 2.6 | 2.9 |
| 23 | 1.4 | 0 |
| 24 | 1.4 | 0 |
| 25 | 2.5 | 2.1 |
| 26 | 1.0 | 0.5 |
| 27 | 2.2 | 0 |
| 28 | 2.2 | 2.2 |
| 29 | 2.4 | 2.2 |
| 30 | 2.2 | 2.2 |
| 31 | 2.2 | 2.2 |
| 32 | 2.2 | 2.2 |
| 33 | 4.8 | 4.8 |
| 34 | 4.7 | 4.7 |
| 35 | 0 | 0 |
| 36 | 2.4 | 2.4 |
| 37 | 4.7 | 4.7 |
| 38 | 2.2 | 2.2 |
| 39 | 1.8 | 1.8 |
| 40 | 0 | 0 |
| 41 | 3.1 | 3.1 |
| 42 | 0 | 0 |
| 43 | 0 | 2.2 |
| 44 | 0 | 3.0 |
| 45 | 1.4 | 1.6 |
| 46 | 0 | 0 |
| 47 | 2.4 | 0 |
| 48 | 2.2 | 2.6 |
| 49 | 1.4 | 0 |
| 50 | 1.4 | 1.6 |
| 51 | 1.4 | 1.6 |
| 52 | 1.6 | 0 |
| 53 | 1.6 | 0 |
| 54 | 0 | 3.1 |
| 55 | 0 | 0 |
| 56 | 2.4 | 0 |
| 57 | 1.4 | 0 |
| 58 | 1.4 | 0.5 |
| 59 | 2.6 | 2.9 |
| 60 | 0 | 0.5 |
| 61 | 1.4 | 0.7 |
| 62 | 1.4 | 0.8 |
| 63 | 1.4 | 1.6 |
| 64 | 1.4 | 1.6 |
| IC2301 | | |
| 1 | 2.3 | 2.3 |
| 2 | 2.3 | 2.3 |
| 3 | 2.3 | 2.3 |
| 4 | 0 | 0 |
| 5 | 2.3 | 2.3 |
| 6 | 2.3 | 2.3 |
| 7 | 2.3 | 2.3 |
| 8 | 4.6 | 4.6 |
| Q2302 | | |
| E | 1.3 | 1.3 |
| C | 4.6 | 4.6 |
| B | 1.9 | 1.9 |
| Q2401 | | |
| E | 2.6 | 3.0 |
| C | 4.8 | 4.8 |
| B | 3.3 | 3.6 |
| Q2402 | | |
| E | 4.8 | 0 |
| C | 4.8 | 4.8 |
| B | 4.1 | 4.1 |
| Q2403 | | |
| E | 0 | 0 |
| C | 0 | 0 |
| B | 3.1 | 3.0 |
| Q2601 | | |
| E | 0.8 | 1.0 |
| C | 2.6 | 3.0 |
| B | 1.4 | 1.4 |
| Q2602 | | |
| E | 0.8 | 0.9 |
| C | 2.6 | 3.0 |
| B | 1.4 | 1.6 |
| Q2603 | - | - |
| Q2604 | - | - |

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| Q2901 | | |
| E | 6.7 | 6.7 |
| C | 0 | 0 |
| B | 6.7 | 6.7 |
| Q2902 | | |
| E | 0 | 0 |
| C | 6.7 | 6.7 |
| B | 0 | 0 |

**<OPDRV>**

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| IC4802 | | |
| 1 | 2.5 | 2.5 |
| 2 | 2.2 | 2.2 |
| 3 | 0 | 2.2 |
| 4 | 0 | 0 |
| 5 | 2.1 | 2.1 |
| 6 | 2.2 | 2.2 |
| 7 | 0 | 2.2 |
| 8 | 4.8 | 4.8 |
| IC4803 | | |
| 1 | 1.0 | 1.0 |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 2.1 | 2.2 |
| 6 | 2.1 | 2.2 |
| 7 | 0.6 | 3.3 |
| 8 | 4.8 | 4.8 |
| IC4804 | | |
| 1 | 0.7 | 0.7 |
| 2 | 2.3 | 2.3 |
| 3 | 2.3 | 2.3 |
| 4 | 0 | 0 |
| 5 | 2.2 | 2.2 |
| 6 | 1.7 | 1.7 |
| 7 | 4.0 | 4.0 |
| 8 | 4.8 | 4.8 |
| IC4805 | - | - |
| IC4806 | | |
| 1 | 0.4 | 3.0 |
| 2 | 3.0 | 3.0 |
| 3 | 0 | 0 |
| 4 | 0 | 3.0 |
| 5 | 3.0 | 3.0 |
| IC4851 | | |
| 1 | 0 | 0 |
| 2 | 0.5 | 0 |
| 3 | 0 | 0.4 |
| 4 | 0.4 | 0 |
| 5 | 0 | 0.4 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 3.0 | 3.0 |
| 9 | 4.8 | 4.8 |
| 10 | 1.0 | 0 |
| 11 | 0 | 0 |

| MODE PIN NO. | REC | PLAY |
|---|---|---|
| 12 | 1.0 | 0 |
| 13 | 4.8 | 4.8 |
| 14 | 1.2 | 0 |
| 15 | 0 | 0 |
| 16 | 1.1 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 4.8 | 4.8 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |
| 27 | 4.8 | 4.8 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 3 | 3 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 0 | 1.8 |
| 35 | 3.1 | 3.1 |
| 36 | 1.5 | 1.5 |
| 37 | 1.5 | 1.4 |
| 38 | 3.0 | 3.1 |
| Q4801 | | |
| E | 0 | 0 |
| C | 0 | 1.8 |
| B | 1.0 | 1.0 |
| Q4802 | - | - |
| Q4803 | | |
| E | 0 | 0 |
| C | 4.8 | 4.8 |
| B | 0 | 0 |
| Q4804 | | |
| E | 0 | 4.8 |
| C | 1.6 | 3.0 |
| B | 4.8 | 4.8 |
| Q4805 | | |
| E | 0 | 0 |
| C | 4.0 | 4.0 |
| B | 0 | 0 |
| Q4806 | - | - |
| Q4851 | | |
| E | 0 | 0 |
| C | 3.9 | 3.7 |
| B | 0 | 0 |

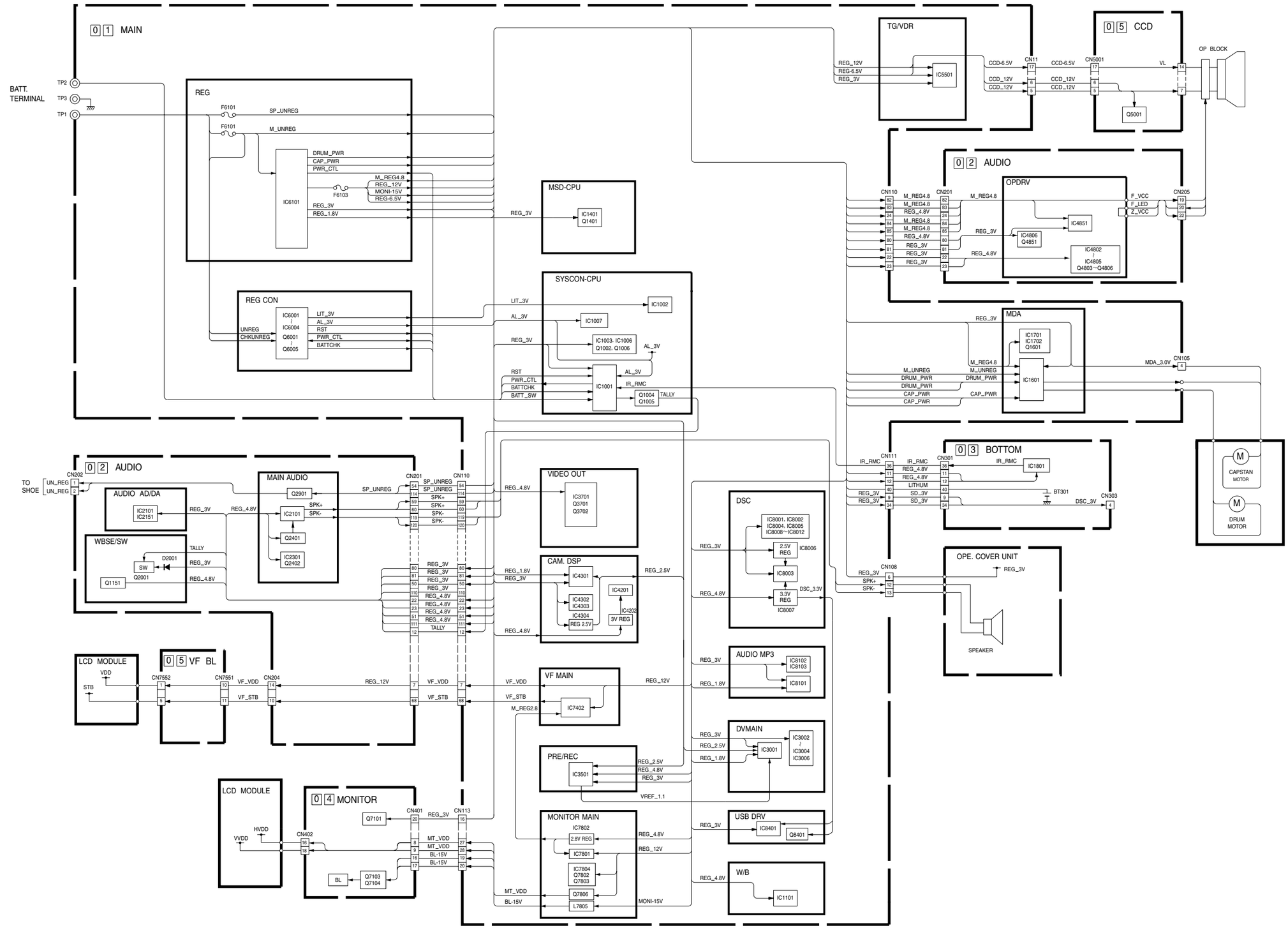
**<MONITOR>**

| MODE PIN NO. | EE |
|---|---|
| Q7101 | |
| 1(E) | 0 |
| 2(B) | 3.0 |
| 3(C) | 3.0 |
| 4(E) | 3.0 |
| 5(B) | 0 |
| 6(C) | 0 |
| Q7102 | |
| E | -15.0 |
| C | 0 |
| B | -14.4 |
| Q7103 | |
| 1(E) | -15.0 |
| 2(B) | -15.0 |
| 3(C) | -14.4 |
| 4(E) | -9.9 |
| 5(B) | -14.5 |
| 6(C) | -9.9 |
| Q7104 | |
| 1(E) | -15.0 |
| 2(B) | -15.0 |
| 3(C) | -14.4 |
| 4(E) | 0 |
| 5(B) | -14.4 |
| 6(C) | -10.5 |

**<CCD>**

| MODE PIN NO. | EE |
|---|---|
| Q5001 | |
| E | 8.4 |
| C | 12.1 |
| B | 9.1 |
| Q5002 | |
| E | 0 |
| C | 6.6 |
| B | 0 |

## 4.32 POWER SYSTEM BLOCK DIAGRAM



## 4.33 VIDEO SYSTEM BLOCK DIAGRAM